Awesome Protein GHI





Clinical Applications

- Supports Natural Detoxification Mechanisms*
- Supports Gastrointestinal Health*
- Supports a Balanced Cytokine Profile*
- Lactose-Free Vegan Protein*

Awesome Protein GHI is a comprehensive, fructose-free, low-allergy-potential dietary supplement designed to support gastrointestinal (GI) function and balanced detoxification. It features Vegan Protein Blend, LAPCC's proprietary amino acid and pea/rice protein blend; Aminogen®, to facilitate protein absorption; phytonutrients; mineral amino acid chelates; and activated B vitamins, including Quatrefolic®† and methylcobalamin. In conjunction with a modified elimination diet, Awesome Protein GHI addresses GI and hepatic function as well as eicosanoid balance and cytokine metabolism. This formula is suitable for vegans.*

All LAPCC Formulas Meet or Exceed cGMP Quality Standards

Discussion

Awesome Protein GHI contains macro- and micronutrients, as well as a host of ingredients (some patented or proprietary) that support fatty acid metabolism, gastrointestinal health, and healthy eicosanoid and cytokine metabolism. Activated cofactors support mitochondrial energy production needed for biotransformation and detoxification. This formula's ingredients help moderate phase I detoxification, upregulate and support phase II pathways, and provide antioxidant support as well.*

Protein Metabolism

Vegan Protein Blend is LAPCC's proprietary blend of pea protein isolate and rice protein concentrate, L-glutamine, glycine, and taurine. Generation of glutathione and sulfation cofactors—vital for phase II conjugation—requires an array of amino acids. The combination of pea protein and rice protein, containing a complement of amino acids, achieves an amino acid score of 100%. Glutamine, a conditionally essential and versatile amino acid with two nitrogen moieties, is crucial to nitrogen metabolism and helps maintain healthy liver tissue and function.^[1,2] The amino acid glycine is needed for bile synthesis, phase II detoxification, and glutathione production. Taurine, a derivative of the sulfur-containing amino acid cysteine, is also important for synthesis of bile salts and helps stabilize cell membranes.*

Gastrointestinal Support

Ginger root, included to support healthy digestion including the release of bile from the gallbladder, acts at several sites to moderate PGE(2) production and support the normal response to inflammation. Fiber (from inulin and flaxseeds) supports production of short-chain fatty acids as well as a healthy intestinal flora. MeadowPure™, an organic flaxseed complex, possesses excellent oxidative stability, supports antioxidant activity, and provides lignins, soluble fiber, and omega-3 and omega-6 essential fatty acids. Glutamine plays a key role in healthy intestinal cell proliferation and gut barrier integrity, immune function, and normal tissue healing. It is a support of the graph of

Detoxification Support

Ellagic acid (from pomegranate extract) prevents over-induction of CYP1A enzymes, works at the gene level to induce synthesis of glutathione-S-transferases and other phase II activities, binds directly to toxins, and protects DNA and hepatocytes.^[5,6] Watercress is a rich source of beta-phenylethyl isothiocyanate (PEITC)—a versatile compound found to inhibit phase I enzymes and induce the phase II enzymes associated with biotransformation and excretion of toxins. Watercress was found to contain even stronger phase II inducers known as 7-methylsulfinyheptyl and 8-methylsulfinyloctyl isothiocyanates as well.^[7,8] Green tea catechins not only support antioxidant activity but also appear to act as modulators of phase I and phase II detoxification.^[9] Choline is present to support lipid metabolism in the liver and can be converted to betaine, a methyl donor.*[10]

The active, bioavailable form of **B vitamins** (pyridoxal-5'-phosphate (B6), 5-methyltetrahydrofolate (folate), methylcobalamin (B12)) and glycine all support amino acid conjugation and are vital for the detoxification of xenobiotics and xenoestrogens. 5-methyltetrahydrofolate (5-MTHF), methylcobalamin, betaine, and **methylsulfonylmethane** (MSM) are present to support methylation and detoxification. 5-MTHF supports healthy folate nutrition, especially in those with variations in folate metabolism. In Awesome Protein GHI, 5-MTHF is provided as Quatrefolic® for enhanced stability, solubility, and bioavailability.*[11]

Preventium®, a patented form of potassium hydrogen d-glucarate, supports glucuronidation. Sulfation is supported by **MSM** and **sodium sulfate**. Acetylation is supported by **d-calcium pantothenate**, pyridoxal-5'-phosphate, and magnesium. Several minerals in Awesome Protein GHI are provided as Albion® mineral chelates and TRAACS® mineral amino acid chelates for enhanced gastrointestinal absorption and bioavailability.*[12]

Antioxidant Support and Cytokine Balance

Bioflavonoids, quercetin, rutin, and curcumin support antioxidant activity, counter free radicals, and support healthy eicosanoid and cytokine metabolism. [13,14] Curcumin has a long history of use for its support of a normal, healthy response to inflammation. [15] N-acetyl-cysteine (NAC) stimulates glutathione synthesis, enhances glutathione-S-transferase activity, and promotes detoxification. [16] Selenium glycinate provides support for glutathione metabolism and antioxidant protection.*

Awesome Protein GHI provides an array of nutrients that supports gastrointestinal health; detoxification and antioxidant mechanisms; and a normal, healthy response to inflammation and cytokine balance. This formula is designed to be used as part of a step-approach cleanse in conjunction with a modified elimination plan.*

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease. Awesome Protein G



Creamy Chocolate

Supplement Facts

Serving Size: 2 Scoops (about 62 g)

Amount Per Serving		%DV	Amount Per Serving		%DV
Calories	230		Molybdenum (as TRAACS® molybdenum glycinate chelate)	35 mcg	78%
Total Fat	8 g	10%	Sodium (from ingredients with naturally occurring sodium, sodium		25%
Saturated Fat	2 g	10%	sulfate anhydrous, and sodium ascorbate)		110/
Total Carbohydrate	18 g	7%`	Potassium (from tripotassium citrate and ingredients with naturally occurring potassium) 505		11%
Dietary Fiber	6 g	21%	ovaning possionin)		
Total Sugars	5 g	**	Stabilized Flaxseed		**
Includes 5g Added Sugars		10%	Typical Alpha-Linolenic Acid Content		**
Protein	26 g		Typical Linoleic Acid Content		**
Vitamin A (as natural beta-carotene)	750 mcg	83%	Pomegranate Extract (Punica granatum)(hull)(40% ellagic acid)	400 ma	**
Vitamin C (as sodium ascorbate)	250 mg	278%	Betaine Anhydrous (trimethylglycine)	250 ma	**
Thiamin (as thiamine HCI)	15 mg	1250%	Lemon Bioflavonoid Complex (Citrus × limon)	250 ma	**
Riboflavin (as riboflavin 5 -phosphate sodium)	5 mg	385%	(fruit peel)(25% bioflavonoids)		
Niacin (as niacinamide and niacin)	40 mg	250%	Quercetin	250 mg	**
Vitamin B6 (as pyridoxal 5'-phosphate)	5 mg	294%	(as quercetin dihydrate from <i>Dimorphandra mollis</i>)(pod)	-	
Folate (as Quatrefolic® (6S)-5-methyltetrahydrofolic acid,	200 mcg DFE	50%	Preventium® (potassium d-glucarate)	250 mg	**
glucosamine salt)			Rutin (from Sophora japonica)(bud)	200 mg	**
Vitamin B12 (as methylcobalamin)	50 mcg	2083%	BCM-95® Turmeric Extract (<i>Curcuma longa</i>)(rhizome)(95% total curcuminoids complex, including curcumin, curcuminoids, and		**
Biotin	150 mcg	500%			
Pantothenic Acid (as d-calcium pantothenate)	35 mg	700%	volatile oils)(86% curcuminoids)(65% curcumin)	450	**
Choline (as choline bitartrate)	100 mg	18%	N-Acetyl-L-Cysteine	150 mg	**
Calcium (as DimaCal® di-calcium malate and	220 mg	17%	Ginger (Zingiber officinale) (rhizome)	150 mg	**
ingredients with naturally occurring calcium)			Methylsulfonylmethane (MSM)	120 mg	**
Iron (naturally occurring)	6 mg	33%	Sodium Sulfate Anhydrous	100 mg	
lodine (as potassium iodide)	60 mcg	40%	Watercress (Nasturtium officinale)(aerial parts)	100 mg	**
Magnesium (as Albion® di-magnesium malate)	140 mg	33%	Green Tea Aqueous Extract (Camellia sinensis)(leaf)	82 mg	- *
Zinc (as TRAACS® zinc bisglycinate chelate)	10 mg	91%	(80% polyphenols, 60% catechins, 30% EGCG, 6% caffeine)		
Selenium (as Albion® selenium glycinate complex)	100 mcg	182%	* Percent Daily Values (DV) are based on a 2,000 calorie diet.		
Manganese (as TRAACS® manganese bisglycinate chelate) 2 mg		87%	** Daily Value not established.		
Chromium (as TRAACS® chromium nicotinate glycinate chel	ate) 60 mcg	171%			

Other Ingredients: Vegan Protein Blend (Activ Motion Research's proprietary blend of pea protein isolate, taurine, glycine, rice protein concentrate, and L-glutamine), dried cane syrup, cocoa powder, natural flavors (no MSG), sunflower oil, medium-chain triglyceride oil, cellulose gum, xanthan gum, Aminogen[®] fungal proteases, stevia leaf extract, guar gum, and silicar gum, and gum,

Blend, shake, or briskly stir 2 level scoops (62 g) into 10-12 ounces chilled, pure water (or mix amount for desired thickness) and consume once daily, or use as directed by your healthcare professional.

Consult your healthcare professional prior to use. Individuals taking medication should discuss potential interactions with their healthcare professional. Do not use if tamper seal is damaged.

Directions

Blend, shake, or briskly stir 2 level scoops (57 g) into 10-12 ounces chilled, pure water (or mix amount for desired thickness) and consume once daily, or use as directed by your healthcare practitioner.

Consult your healthcare practitioner prior to use. Individuals taking medication should discuss potential interactions with their healthcare practitioner. Do not use if tamper seal is damaged.

Formulated To Exclude

Wheat, gluten, yeast, soy, animal and dairy products, fish, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, and artificial preservatives.

Typical Amino Acid Profile Per Serving:

lanine	1,280 mg	Methionine	330 mg
rginine	2,580 mg	Phenylalanine	1,630 mg
spartic Acid	3,400 mg	Proline	1,340 mg
ysteine	300 mg	Serine	1,570 mg
Slutamic Acid	4,990 mg	Threonine	1,160 mg
Alycine	1,720 mg	Taurine	500 mg
listidine	740 mg	Tryptophan	300 mg
soleucine	1,330 mg	Tyrosine	1,130 mg
eucine	2,490 mg	Valine	1,490 mg
vsine	2.120 ma		

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