

SecretaGAIN

(Endogenous Growth Hormone / IGF-1 Releaser)



Description: SecretaGAIN™ is specifically engineered with pharma-chemical compounds that have been researched and evaluated for their ability to endogenously influence growth hormone and insulin-like growth factor-1 (IGF-1) production. This high potency secretagogue amplification complex is designed to support anabolic activities that optimize protein synthesis, fatty acid utilization, and carbohydrate metabolism for optimum lean muscle development. A Full Strength – Non-Prescription Dietary Supplement administered in a white capsule format.

Clinical Nutraceutical: Growth Hormone, also known as somatotropin, is a protein hormone synthesized and secreted by cells called somatotrophs in the anterior pituitary gland from about 190 amino acids. It is a major hormone responsible for growth and metabolism.

The major role of growth hormone in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1 (insulin-like growth factor-1). IGF-1 stimulates both the differentiation and proliferation, or development, of myoblasts (muscle fiber). It also stimulates amino acid uptake and protein synthesis in muscle and other tissues. IGF-1 is one of the most potent anabolic hormones in the body!

Growth hormone and IGF-1 have major roles in protein, fat and carbohydrate metabolism. This is metabolically significant to the athlete in that these hormones influence protein for growth, fatty acids and body fat reduction, and carbohydrates for energy and recovery.

- Growth hormone stimulates the anabolic amino acid uptake, increased protein synthesis and decreased oxidation of proteins. The more amino acids utilized by the cell and the greater the protein synthesis, the greater the muscle growth.
- Growth hormone enhances the utilization of fat by stimulating triglyceride breakdown and oxidation in adipocytes (fat cells).
- And growth hormone helps to maintain blood glucose within normal ranges. Growth hormone is said to have anti-insulin activity, because it suppresses the abilities of insulin to stimulate uptake of glucose in peripheral tissues and enhance glucose synthesis in the liver. Working in conjunction with glucagon, growth hormone stimulates the release of fatty acids from storage for conversion to glucose. This action helps keep the body energized and the blood glucose stabilized during times when blood sugar levels drop. This important metabolic function supports fat to energy metabolism.

In humans the amount of growth hormone secreted at age 20 is about 500 micrograms, at age 40 200 micrograms, and at age 80 only 25 micrograms. The fall in IGF-1 is identical. GH and IGF-1 production can be increased significantly by the stimulation of growth hormone-releasing hormone (GH-RH) by the pituitary gland, and the suppression of somatostatin a feedback hormone that acts to block the release of GH.

Mechanism of Action: SecretaGAIN™ is exclusively formulated with 3 synergistic stacks:

Stack #1 GH Plex™ is a proprietary complex of specific secretagogue substances that stimulate the release of GH-RH and hGH.

2-Amino-5-guanidinopentanoic-5 oxo L-proline; 2,6-Diaminohexanoic acid; and 2-Amino-4-(methylthio) butanoic acid

Simultaneous administration of these highly bio-active micro protein increases secretion of hGH by the pituitary gland. Clinical evaluations have shown plasma hGH levels increasing by as much as 700% after 90 minutes. Basal hGH levels increased from slightly over 12 ng/ml to over 90 ng/ml after 90 minutes, and after 8 hours plasma levels remained elevated at over 45 ng/ml.

Stack #2 SomaPlex™ is a proprietary matrix of the potent substances that effectively suppress somatostatin the feedback hormone that decreases free hGH release, and increases cAMP levels to influence GH-RH and the increased release of hGH.

Alpha-GPC (alpha glycerylphosphorylcholine) is a precursor to acetylcholine, which is the most abundant neurotransmitter in the body and typically very low in hard training athletes. Low acetylcholine levels are directly related to high levels of somatostatin. Thus, higher levels of acetylcholine and lower levels of somatostatin result in higher levels of growth hormone.

Stack #3 cAMPlex™ the exclusive addition of **Coleus Forskolii [40% (7β-Acetoxy-8, 13-epoxy-1α, 6β, 9α-trihydroxy-labd-14-en-11-one) forskolin]** has been shown to increase the "biological amplifying system" by increasing the synthesis of the 3',5'-cyclic ester of AMP (cAMP). cAMP is generated from ATP by the action of adenyl cyclase that is coupled to hormone receptors by G-proteins, a binding protein. GH-RH acts via cAMP to promote the synthesis and release of hGH from pituitary glands.

Indications and Use: SecretaGAIN™ is used by male and female athletes and individuals with a physiological requirement to elevate natural testosterone androgen production. Used as part of a daily regime of proper diet and exercise. Consult your health care practitioner prior to using this or any other dietary supplement or medication.

The body releases the highest levels of growth hormone during sleep and at times when blood glucose levels are low. Insulin will suppress the release of growth hormone. Insulin levels are the highest after meals and consumption of foods especially carbohydrates. Therefore secretagogue formulas can be consumed before sleep on an empty stomach to help facilitate the greatest potential for GH and IGF-1 synthesis and release. Avoid consuming carbohydrates and/or other food and drink that will raise blood sugar for at least 2-3 hours prior to bedtime.

Dosage and Administration:

Serving Size: 3 capsules provide one recommended dose.

SecretaGAIN™ should be taken on an empty stomach with water. **SecretaGAIN™** should be taken on training and non-training days.

Typical 7 day cycle administration protocol:

Daily	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Dosage	3 capsules immediately before bed	3 capsules immediately before bed	3 capsules immediately before bed	3 capsules immediately before bed	3 capsules immediately before bed	3 capsules immediately before bed	3 capsules immediately before bed
Suggested Stack Combinations	NitrACE HumanaTEST iPOWER	NitrACE HumanaTEST iPOWER	NitrACE HumanaTEST iPOWER	NitrACE HumanaTEST iPOWER	NitrACE HumanaTEST iPOWER	NitrACE HumanaTEST iPOWER	NitrACE HumanaTEST iPOWER

IMPORTANT: Remember to avoid food and beverages at least 2-3 hours prior to taking SecretaGAIN at bedtime. Insulin released when food and beverages are consumed will suppress growth hormone release until blood sugar levels are normalized.

7 Day cycle may be consecutively repeated for a total of 8 weeks. After 8 week period, take 14 days off with no supplementation of SecretaGAIN™. After the 14 day off cycle, a new on-cycle may be administered again for 8 weeks. Followed again by 14 day off cycle. Continue this on – off cycle schedule for as long as desired or prescribed.