

Hair Growth+

Promotes Thickness & Reduces Loss‡

DESCRIPTION

Hair Growth+ contains a clinically studied combination of grape seed and green tea polyphenols, zinc, and taurine to support the natural hair growth cycle and provide support for hair follicles. The complementary ingredients also support healthy hair density and volume. A unique ingredient to the formula is AnaGain™ Nu, a pea shoot extract clinically shown in men and women to promote healthy hair growth and reduce loss.‡

INDICATIONS

- Supports the natural hair growth cycle and reduces loss‡
- Supports hair quality, thickness, and volume‡
- Protects hair follicles‡

FUNCTIONS AND MECHANISM OF ACTION

Hair follicles regulate the continuous three phases of hair growth: anagen (active growth), catagen (degeneration), and telogen (shedding). In normal hair cycles, about 90% of hairs are in anagen phase and 5-10% are in telogen phase. An imbalance of these two phases results in hair loss. In addition, disruption of normal hair growth may occur due to nutritional deficiencies, endocrine imbalances, and/or sudden changes in routine. Several clinical studies have shown that supplementation with a combination of taurine (150 mg), zinc (10 mg), grape seed extract (150 mg), and green tea extract (375 mg) helped maintain hair balance. This was marked by an increase in the anagen rate and decrease in the telogen rate after 12 weeks, which resulted in decreased loss and increased hair density. The combination also improved hair quality by increasing hair mass and volume.‡

Free radicals caused by oxidative stress can promote cellular damage and induce the secretion of transforming growth factor (TGF)-β1 to inhibit the growth of hair matrix epithelial cells. Taurine is synthesized in the body from amino acids and has been shown to promote hair survival by protecting hair follicles against TGF-β1 *in vitro*. Zinc is an essential trace mineral that requires daily intake, as it cannot be stored long-term in the body. Among its many biological functions, zinc provides support against oxidative stress and contributes to factors involved in the regulation of hair growth.‡

Polyphenolic compounds possess a multitude of health benefits, and their ability to promote hair growth and protection has been evidenced in various studies. Grape seed extract (GSE) provides a unique profile of proanthocyanidins and other polyphenols that support blood microcirculation. Proanthocyanidins from GSE were shown in preclinical research to promote proliferation of hair follicle cells *in vitro* and play a role in promoting the transition from telogen phase to anagen phase *in vivo*. The polyphenolic compounds in green tea are known as catechins. Green tea extracts were shown to support hair regrowth compared to the control group *in vivo*. Preliminary data also suggest that epigallocatechin-3-gallate (EGCG), a unique catechin, may promote hair growth by maintaining dermal cell viability.‡

Pea sprouts are rich in isoflavones, polyphenolic secondary plant metabolites that possess health-promoting properties. AnaGain™ Nu is a water-soluble pea sprout (*Pisum sativum*) extract developed to support hair growth cycle balance. In a human pilot study, individuals who supplemented with 100 mg of AnaGain™ Nu had a significant hair loss reduction of 34% and improved hair density after two months. Concurrent enhancement of noggin and fibroblast growth factor 7 (FGF7) gene expression suggest involvement of these proteins in the mechanism of action. Noggin is a protein required for the induction of hair follicle growth phase, while FGF7 is a signaling factor required for hair development.‡

FORMULA (#202565)

Serving Size 2 vegetarian capsules:

Zinc (from zinc gluconate)	15 mg
Green tea extract.....	375 mg
(98% polyphenols, 75% catechins, 45% EGCG, decaf*)	
Grape seed extract	150 mg
(Vitis vinifera, 90% polyphenols)	
Taurine.....	150 mg
AnaGain™ Nu (pea shoot extract, <i>Pisum sativum</i>)	100 mg

Other ingredients: Microcrystalline cellulose, capsule (hydroxypropyl methylcellulose), ascorbyl palmitate

*Contains <0.5% caffeine

AnaGain™ Nu is a trademark of Mibelle Biochemistry.

SUGGESTED USE

Adults take 2 capsules daily with food or as directed by a health professional.

For additional hair support, take in combination with Omega Beauty[‡]

WARNING

Take with food. If you have liver problems, consult your health professional before use. If you are pregnant or lactating, have any health condition or are taking any medication, consult your health professional before use.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

- Phillips TG, Slomiany WP, Allison R. *Am Fam Physician*. 2017;96(6):371-378.
Lin R, Garibyan L, Kimball AB, Drake LA. *Ann Med*. 2016;48(6):393-402.
Shin H, Yoo HG, Inui S, et al. *BMB reports*. 2013;46(9):460-4.
Collin C, Gautier B, Gaillard O, et al. *Int J Cosmet Sci*. 2016;28(4):289-98.
Vollmer D, West V, Lephart E. *Int J Mol Sci*. 2018;19,3059.
Ahmad W, Irvine AD, Lam H, et al. *Am J Hum Genet*. 1998;63(4):984-91.
Takahashi T, Kamiya T, Yokoo Y. *Acta Derm Venereol*. 1998;78(6):428-32.
Zhang H, Liu S, Li L, et al. *Medicine*. 2016;95,e4247.
Esfandiari A, Kelly AP. *J Natl Med Assoc*. 2005;97(8):1165-1169.
Kwon OS, Han JH, Yoo HG, et al. *Phytomedicine*. 2007;14(7-8):551-5.
Zhao J, Harada N, Kurihara H, et al. *J Nutr Biochem*. 2011;22(3):227-233.
Grothe T, Wandrey F, Schuerch C. *Phytother Res*. 2019;1-4.
Botchkarev VA, Botchkareva NV, Nakamura M, et al. *FASEB J*. 2001;15(12):2205-14.

For more information on Hair Growth+, visit douglaslabs.com

[‡]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.

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