

Juvenon Pro Longevity

DESCRIPTION

Juvenon Pro Longevity, manufactured by Douglas Laboratories, contains a unique combination of ingredients to support healthy aging. Juvenon Pro Longevity contains the patented combination of acetyl-L-carnitine, lipoic acid and biotin that has been the focus of research by an award-winning team of scientists at the University of California, Berkley. This patented, scientifically researched combination** supports healthy gene expression and mitochondrial function.† The addition of Maqui berry and astaxanthin in this formula provide powerful antioxidant activity to promote cellular health and to help repair oxidative stress that is a contributing factor to the aging process. Astaxanthin has gained great attention lately for its ability to effectively scavenge free radicals and support multiple health functions as a “super” carotenoid.

FUNCTIONS

Adapted from Juvenon® Scientific Advisors**

The free radical or mitochondrial theory of aging has received increasing recognition during the last 20 years. The theory states the mitochondria are the major source of toxic oxidants, which are capable of reacting with and destroying cell constituents and which accumulate with age. The consequence of this destructive activity is an inefficient cell and a body we recognize as aged (wrinkled skin, low energy level). The gradual loss of energy with age is paralleled by a decrease in number of mitochondria per cell, as well as the health and energy-producing efficiency of those remaining mitochondria.

Research has shown that an important factor in aging is the decay of the mitochondria, the organelles within the cell that convert amino acids, fatty acids and sugars into energy. Research performed by scientists and others has demonstrated that as we age, the efficiency of the mitochondria diminishes, as does their quantity per cell. The effect is a body operating at one-half to one-fourth the energy it had at youth. The brain is perhaps the most important organ affected by aging, since it consumes more energy than any other organ of the body. An energy deficit in the brain and central nervous system affects the activities of all organs throughout the body as well as mental acuity and mood.

Juvenon® contains a compound known to stimulate the synthesis of cardiolipin, a key component of the mitochondria. Cardiolipin is a phospholipid required, along with specific transport enzymes, to maintain the potential and overall integrity of the mitochondrial membrane. The membrane potential is the result of the separation of charge between the inner and outer surface of the membrane, a process that requires energy-driven pumps to move charge against a gradient. A young, healthy mitochondrion (one containing sufficient cardiolipin) has a maximum membrane potential and therefore maximum energy producing potential. The Juvenon® composition also activates the transport of high-energy food-derived products into the mitochondria, where they are transformed into a specific chemical form of energy (ATP). This captured energy is used to run the cellular machinery for such activities as muscle contraction and neurotransmission.

Antioxidants are essential to longevity support due to their ability to neutralize free radicals as a result of oxidative stress. Oxidative stress is also thought to contribute to the aging process due to damage to cells, lipids, and DNA. Maqui berries, grown in the pristine mountains of Chile are considered a “super” fruit. They have about two times the antioxidant capacity of acai berry due to the abundance of polyphenol and anthocyanin content. Astaxanthin, the most powerful carotenoid antioxidant sourced from algae, is increasingly popular due to its’ numerous health benefits studied such as cardiovascular and immune support. Astaxanthin is one of the few antioxidants that can cross the blood-brain barrier and therefore protect the brain

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from oxidative stress†. Vitamin C is another important and essential antioxidant to the body. Pureway-C® is the only form of vitamin C to contain lipid-metabolites for enhanced bioavailability, proven safe and effective. †

INDICATIONS

Juvenon Pro Longevity may be a useful dietary supplement for individuals who desire a patented, scientifically researched combination of nutrients and antioxidants to assist in a healthy aging process.

FORMULA (#201309-90X)

Serving Size 3 Vegetarian Capsules

Amount Per Serving:

Vitamin C (as PUREWAY-C®)	125 mg
Biotin.....	300 mcg
Acetyl L-Carnitine HCl**	1,000 mg
Alpha Lipoic Acid**	400 mg
Maqui Berry.....	100 mg
(<i>Aristotelia chilensis</i>)	
Astaxanthin.....	2 mg

Other Ingredients: Hydroxypropyl methylcellulose (vegetarian capsule), cellulose, calcium carbonate, vegetable stearate, and silica.

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SUGGESTED USE

Adults take 3 vegetarian capsules daily with a meal, or as directed by your healthcare professional.

SIDE EFFECTS

If pregnant or lactating, consult your physician before taking this product. Alpha lipoic acid and acetyl-L-carnitine have been associated with gastrointestinal upset or skin rash in sensitive individuals.

STORAGE

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

REFERENCES

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Juvenon Pro Longevity

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For more information on Juvenon Pro Longevity, 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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