

*Increases Telomerase Activity**

TELOMERE PRO™



Telomere length has a lot to do with aging and is what some scientists have used to assess biological age.¹

A Proven Foundation*

Cellular aging is the process by which a cell becomes old and dies. To understand cellular aging, we must first understand the anatomy of a cell.

Our bodies are composed of different types of cells, each with a different function. Every type of cell contains a center called a nucleus, which contains genetic information called DNA. DNA contains instructions that allow our cells to divide and correctly produce more cells. DNA is found in structures within the nucleus called chromosomes. At the ends of each chromosome are protective tips called telomeres, which keep the ends of the chromosome from degradation.

Telomere length has a lot to do with aging and is what some scientists have used to assess biological age.¹ Young cells have long telomeres and older cells have short telomeres. Every time a cell divides, the telomeres get shorter and shorter. Eventually, they become too short to sustain cell division, and the cell dies. This is cellular aging. Other factors besides aging that may lead to accelerated telomere shortening include stress,² lifestyle choices and environmental toxins.

Maintaining telomere length is essential to overall health, and can be accomplished by supplementing with a telomerase activator.* Telomerase is a naturally occurring enzyme that influences a cell's ability to lengthen telomeres and prevent them from shortening. Most cells do not have sufficient levels of this enzyme to maintain telomere length.

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- **Increases telomerase activity***
 - **Supports cellular vitality***
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The synergistic ingredients in Telomere Pro have been shown to activate telomerase and may support increased energy.*

The botanicals in Telomere Pro have been specially formulated to positively influence telomerase. Astragalus root³ has been shown to boost energy and provide immune support, while research indicates that broccoli seed extract⁴ enhances the body's tolerance to stress.* Rhodiola extract⁵ is often used for cellular protection and to boost enzyme activity.* Vitamin D3 is known to boost the immune system⁶ and has been shown to have a positive correlation with telomere length.*

- 1 Lindsey, J., McGill, N., Lindsey, L., Green, D., and Cooke, H. (1991). "In vivo loss of telomeric repeats with age in humans." *Mutation Research/DNAging*, (256), 45-48.
- 2 Epel, E. (2004). From The Cover: "Accelerated Telomere Shortening In Response To Life Stress." *Proceedings of the National Academy of Sciences*, 101, 17312-17315.
- 3 Harley, C.B., Andrews, W.H., Blasco, M., Briggs, L.A., Liu, W., Raffaele, J.M. and Vera, E., "A natural product telomerase activator as part of a health maintenance program." *Rejuvenation Res.* 2011 Feb; 14(1): 45-56.
- 4 "Emerging Science FAQs." SGS Long-Lasting Antioxidant. Brassica Protection Products. Web. Retrieved 17 Dec 2014. <<http://www.sgs-broccoli.com/emerging-science/faqs>>
- 5 Darbinyan, V., Kteyan, A., Panossian, A., et al. "Rhodiola rosea in stress induced fatigue—a double blind cross-over study of a standardized extract SHR-5 with a repeated low-dose regimen on the mental performance of healthy physicians during night duty." *Phytomedicine*. 2000 Oct;7(5):365-71
- 6 Richards, J., Valdes, A., Gardner, J., Paximadas, D., Kimura, M., and Nessa, A. (2007). "Higher serum vitamin D concentrations are associated with longer leukocyte telomere length in women." *The American Journal of Clinical Nutrition*, 86(5), 1420-1425.

RECOMMENDED USE:

One capsule daily with or without food.

Consult a physician prior to use if you are pregnant or nursing.

Warning: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm..

Supplement Facts

Serving Size: 1 Capsule
Servings Per Container: 30

Amount Per Serving		%DV†
Vitamin D3 (as Cholecalciferol)	500 IU	125%
Telomerin™ blend	495 mg	* *
Astragalus (root)		
SGS™ Broccoli seed extract		
Rhodiola extract (<i>Rhodiola rosea</i> P.E.) (root)		

** Daily Value not established

† Percent Daily Values are based on a 2,000 calorie diet

OTHER INGREDIENTS: 100% Vegetarian capsule (cellulose, water), rice bran

CONTAINS NO: egg, dairy, preservatives, salt, soy, wheat, nuts, corn, gluten, casein, potato, artificial colors or flavors

Keep closed in dry place; avoid excessive heat.

* 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.

Enzyme Science™ utilizes proven ingredients for maximum benefit*

Vitamin D3 is known to boost the immune system⁶ and has been shown to have a positive correlation with telomere length.*

Telomerin™ Blend is a unique combination of Astragalus (root), SGS™ Broccoli seed extract and Rhodiola extract (root) which has been shown to support increased telomerase activity.*

Astragalus (root) has been shown to boost energy and provide immune support.*

Broccoli seed extract enhances the body's tolerance to stress.*

Rhodiola extract (root) is often used for cellular protection and to boost enzyme activity.*

