

NR Longevity™

With NIAGEN® nicotinamide riboside; Decreases the effects of cellular aging‡

INDICATIONS

- Healthy aging support‡

BENEFITS

- Age better by targeting the effects of aging from the inside, at the cellular level‡
- Decreases the effects of cellular aging‡
- Helps to replenish NAD+‡
- Enhances mitochondrial function‡
- Supports antioxidant defenses‡

FEATURES

- Includes Nicotinamide riboside (NR) to promote the synthesis of NAD+, a key driver of cellular energy production‡

VERIFIABLE SCIENCE

NR Longevity is specially designed to target biological processes that decline with age, such as the body's natural ability to make energy, build new mitochondria and protect cells from oxidative stress.¹ Nicotinamide riboside (NR), resveratrol and sulforaphane promote healthy aging by replenishing NAD+, enhancing mitochondrial function and providing antioxidant support, respectively.

Nicotinamide riboside (NR) is a form of vitamin B3 that acts as a precursor of nicotinamide adenine dinucleotide (NAD+), which plays a critical role in cellular energy production.²⁻⁴ NAD+ activates enzymes in the sirtuin family, considered to be master switches of metabolism and regulators of aging. Notably, NAD+ activates SIRT1, an epigenetic switch that regulates metabolism and supports mitochondrial biogenesis, cellular energy production and cellular longevity.^{5,6} Higher NAD+ levels are associated with healthy mitochondrial function.^{7,8} Conversely, cellular NAD+ levels decline with age, and can decrease by up to 50% over the adult lifespan.⁷⁻¹¹ Supplementing with NR enhances NAD+ levels, supporting the function of NAD+ dependent enzymes that maintain cellular energy production and repair. NR has been clinically shown to increase NAD+ levels in as little as 2 weeks.² Resveratrol and sulforaphane promote longevity in model organisms.¹²⁻¹⁴ Both compounds enhance cellular antioxidant defenses, helping to protect cells against oxidative stress that increases with age and contributes to age-related cellular decline.^{1,15-18} Resveratrol activates the AMPK/SIRT1/PGC-1alpha axis, a pathway that enhances mitochondrial function and supports normal cellular repair while sulforaphane activates Nrf2, a genomic switch that stimulates expression of genes involved in

antioxidant defense, cellular protection and mitochondrial biogenesis.^{12,13,15-20} Nrf2 is a transcription factor that supports robust, long-lasting expression of numerous genes responsible for phase II detoxification and protection against oxidative stress. Among these genes are glutathione peroxidase, superoxide dismutase and various phase II enzymes, such as glutathione sulfotransferases. Nrf2 also supports expression of glutathione glutamylcysteinyl ligase, which is responsible for a critical step in the biosynthesis of glutathione, a vital component of cellular antioxidant and detoxification systems.^{15-18‡}

SUGGESTED USE

As a dietary supplement, take 2 capsules, 1-2 times daily, with or between meals.

STORAGE

Store in a cool, dry place.

WARNING

If you are pregnant or lactating, have any health condition or are taking any medication, consult your health professional before use.

SOURCE

- Nicotinamide riboside chloride is synthetic
- Broccoli sprout concentrate is derived from *Brassica oleracea italica* whole plant and standardized for sulforaphane
- Trans-resveratrol is derived from Japanese knotweed (*Polygonum cuspidatum*) root extract

NOTES

Size 00 caps

Bottle count 60

Order code NRL6

Bottle size 190cc

‡These statements have not been evaluated by the Food & Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.



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SUPPLEMENT FACTS

2 capsules, 1-2 times daily, with or between meals.

Two (size 00) capsules contain:

Nicotinamide riboside chloride (NR)	300 mg
Broccoli (<i>Brassica oleracea italica</i>) sprout concentrate (whole plant) (standardized to contain 800 mcg sulforaphane)	200 mg
Trans-resveratrol	150 mg
Other ingredients: vegetarian capsule (cellulose, water), hypoallergenic plant fiber (cellulose), organic rice extract blend (organic rice bran extract, organic rice hulls, organic gum arabic, organic sunflower oil)	

Niagen® is the trademark of Chromadex, Inc.

Patents: www.chromadex.com/patents



NR Longevity™	Quantity	Order Code
	60	NRL6

†Visit PureEncapsulations.com for more information about our GMO policy.

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