

# PROTANDIM<sup>®</sup>

**NAD** SYNERGIZER™

## BEYOND NAD

LifeVantage<sup>®</sup> is continuing to rewrite the script on how we approach our own health. Introducing Protandim<sup>®</sup> NAD Synergizer™, specifically formulated to support healthy NAD, and sirtuin activity, supporting healthy longevity, focus, energy, mental clarity, and mood; so you can flip the switch, feel better, do more.



### *Product Info*

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Recently, scientists have been sharing the immense importance of proteins called sirtuins. Studies are showing sirtuin activity comes with a cascade of health supporting benefits, including supporting a healthy vascular system, normal cholesterol levels already in the healthy range, supporting joint health, mental focus, balanced mood, motivation, energy, and much more. However, sirtuin activity declines as we age (≈60%).

Researchers have discovered that sirtuin activity can be maintained through drastic caloric restriction (reducing calories by 40-60%). Obviously, this drastic approach runs the risk of

nutrient deficiency and is not recommended without medical supervision.

So, with the knowledge that sirtuin activation requires the molecule NAD, we went to work. Protandim<sup>®</sup> NAD Synergizer™ was specifically formulated to support NAD, supporting health, focus, energy, mental clarity, and mood.

# PROTANDIM®

## Science

Cell signaling pathways are essential for your survival and your health—both short- and long-term. When you are young, these cell signaling pathways work well, respond quickly, and allow you to robustly adapt to whatever your environment throws at you. However, as we age, these cell signaling pathways begin to stop working as efficiently and ultimately the adaptive response slows.

Protandim® NAD Synergizer™ was designed to support cell signaling pathways involved in the synthesis and recycling of a specific molecule called NAD (nicotinamide adenine dinucleotide). NAD is an essential molecule for many biochemical reactions in your body, most notably metabolism of the food we eat.\*

NAD coexists in your cells in two forms: 1) a molecule called NAD+ and 2) a molecule called NADH. It turns out, it is the ratio of these two forms of NAD (the so-called NAD+/NADH ratio) that is important for controlling a number of other cell signaling pathways. As the ratio of NAD+/NADH changes, NAD+ becomes a signaling molecule itself and is sensed by other proteins.

Under normal conditions, the cell very tightly supports the NAD+/NADH ratio. However, changes in your metabolism like long or short term fasting can change this ratio.

This means there is proportionately more NAD+ floating around the cell than NADH. This is biologically important because an increase in NAD+ has been shown to activate several key enzymes, and specifically a class of proteins called sirtuins.

Sirtuins have been implicated in a wide range of normal cellular processes including healthy aging, the cellular cleanup and renewal process known as autophagy, to name a few. The absolute requirement of sirtuin activity for NAD links them directly to the metabolism of the cell. In fact, sirtuins have been shown to support longevity when caloric intake is drastically reduced. This is known as caloric restriction.

This is exactly the rationale behind Protandim NAD Synergizer formula. And because of this approach (nutrigenomically targeting a completely new set of cell-signaling pathways significantly related to your overall health—and outside of the pathways targeted by Protandim® NRF1 and Protandim® Nrf2) Protandim® NAD Synergizer™ is a perfect addition to the Protandim family of products.

## Benefits

### Protandim® NAD Synergizer™:

- Supports health as we age
- Improves mental focus and concentration
- Supports positive mood and motivation
- Supports natural cholesterol levels already in the healthy range
- Supports healthy vascular system

Supplement Facts		
Serving Size: 2 Capsules		
Servings Per Container: 30		
	Amount Per Serving	% Daily Value
Niacin (as Cuprous Niacin)	780 mcg NE	5%
Copper (as Cuprous Niacin)	187 mcg	21%
Proprietary Blend	462 mg	†
Wasabi ( <i>Wasabia japonica</i> ) Rhizome Powder		
Olive ( <i>Olea europaea</i> ) Leaf Extract		
Theacrine		
Cuprous Niacin		

\* Percent Daily Values are based on a 2,000 calorie diet.  
† Daily Value (DV) not established.

OTHER INGREDIENTS: Rice Flour, Hydroxypropyl Methylcellulose, Magnesium Stearate, Silicon Dioxide.