

# **PROTANDIM Nrf2; GENETICALLY BIOHACK YOUR GENE EXPRESSION**

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What if you could increase your Glutathione, L-dopamine naturally?? Pre and diagnosed Parkinson's disease (PD) patients are given L-Dopamine as a treatment to slow down progression, however, long-term side effects are devastating.

Scientists have identified a toxic cascade that leads to neuronal degeneration in patients with Parkinson's and figured out how to interrupt it with an antioxidant, study published Sept. 7, 2017 in the Journal of Science.

Intervening with Nrf2 activators, early in the disease process may break the degenerative cycle and improve neuron function in PD, the study showed. Evidence suggests that oxidative stress plays an important role in the path and start of sporadic Parkinson's disease. The scientists also discovered that mouse models of PD didn't have the same abnormalities they found in human PD neurons, revealing the importance of studying human neurons to develop new therapies.

PD is the second most common neurodegenerative disorder, primarily caused by the death of dopamine-containing neurons in the Substantia nigra, a region of the brain involved in motor control. While people naturally lose dopamine neurons as they age, patients with PD lose a much larger number of these neurons and the remaining cells are no longer able to compensate. Traditionally L dopamine is given to patients with Pre and Parkinson's Disease thinking that this will help, however, long-term we now know it hinders natural production and decreases Serotonin levels, which regulates our mood.

WHAT MORE ARE YOU CAPABLE OF? Let's find out. Any biohacker knows that to truly take control of your body's output, you need to first control what is input - beginning with what nutrients it receives. This is why Nutrigenomics are a fundamental part of the biohacker's arsenal. And why they are our passion.

BIOHACK YOUR HEALTHSPAN. Biohacking is a fairly new practice that could lead to major changes in our life. You could call it citizen or do-it-yourself biology. It takes place in small labs — mostly non-university — where all sorts of people get together to explore biology.

When Big Pharma told an entire industry to zig, LifeVantage zagged. It's using a groundbreaking new science called Nutrigenomics to help people biohack a healthier life.

By studying the effects of nutrients and natural compounds on our genes, it's creating scientifically-backed products that support cognitive health and promote healthy aging on the cellular level.

LifeVantage nutrigenomic products support the body's natural cellular function by targeting the main biochemical effects of aging, issues like oxidative stress, natural mitochondrial deterioration and more. By awakening your body's ability to rejuvenate itself on a massive scale — whether by up-regulating your genes' ability to produce their own antioxidants, your cells' ability to produce mitochondria, or your guts' ability to regulate bacteria — It's helping you stay on top of the aging process while delivering the mental clarity and overall well-being you need every day to get the absolute most out of life.

**OXIDATIVELY SPEAKING...**One of the main biochemical effects of aging is oxidative stress, which causes your cells to start wearing down. Protandim effectively reverses the process. In fact, in a recent study, the National Institute of Aging found that in male mice Protandim Nrf2 was the only supplement scientifically proven to increase lifespan by 7 percent.

As you age, your cells can't produce enough antioxidants to fight oxidative stress. And antioxidant supplements and "superfruit" juices just don't work - even if you like spending a lot of extra money. Protandim Nrf2 Synergizer helps your cells produce their own antioxidants, so you can neutralize free radicals, feel younger, and live healthier.

By helping them repair and rejuvenate themselves, Protandim Nrf2 Synergizer works with your cells—the building blocks of life—to build an impressive résumé of healthy benefits.

#### **BENEFITS:**

- All Natural, Non-GMO, Vegetarian Herbal 6 patents, BSG certified
- Reducing oxidative stress by 40% in just 30 days\*
- Significantly reducing cellular stress through Nrf2 activation\*
- Producing enzymes capable of neutralizing more than 1,000,000 free radicals per second. (Compared to the free radical scavenging capacity of 2g of Vitamin C).
- Regulates over 400 survival genes\*
- Helps the body repair and rejuvenate its own cells\*
- Helps the body detoxify genes, keeping the master blueprint of the cell's function intact\*

CELL-POWERED LONGEVITY LifeVantage didn't stop there. The second biochemical effect of aging is mitochondrial decline. Basically, your cells lose power. The sister product, using NRF1 pathway was discovered and introduced. Protandim Nrf1 helps increase mitochondria and ATP powerhouse energy within our cells. You need that power so that your organs can work efficiently, you can think clearly, and your body can act when it is called upon. When your cells have the power to do their thing, you feel better and you live longer. Protandim Nrf1 increases the quality of sleep as well as boosts mitochondrial production so you can keep that cellular energy for as long as possible. Allowing you to keep doing your thing, whatever that thing is.

RECLAIM YOUR YOUTH With Protandim Nrf1 and Nrf2 Dual Synergizers, you can take on aging with the only supplements that help your cells produce their own antioxidants. Feel younger. Live healthier. That's the power of Protandim Nrf2 Synergizer.

Protandim NRF1 and Nrf2 are not intended to diagnose, treat, cure or prevent disease.

Please note that these (\*) statements have not been evaluated by the Food and Drug Administration.

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For more information about Dr. Kimberly Hubenette or life vantage please visit [www.kimberlyhubenette.lifevantage.com](http://www.kimberlyhubenette.lifevantage.com)