

Nrf2 Detox

Supports detoxification and antioxidant defense[†]

INDICATIONS

- Ages 18 and up
- Cellular detoxification and antioxidant protection[†]

BENEFITS

- Supports phase II enzyme function in the gut and liver, supporting toxin elimination[†]
- Promotes the activity of Nrf2 to support detoxification and protection against oxidative stress[†]

FEATURES

- Bioavailable, clinically studied Setria[®] glutathione
- Standardized to contain a minimum of 1,000 mcg sulforaphane
- Part of the PureGenomics[®] product line
- Made with high-quality vegan ingredients backed by verifiable science

VERIFIABLE SCIENCE

Cruciferous vegetables of the *Brassica* family have long been recognized for their ability to support detoxification, thereby maintaining healthy cells and tissues. Cruciferous vegetables, like broccoli, cauliflower, Brussels sprouts and kale, are the richest sources of glucosinolates, which are considered to be the most bioactive constituents. Glucosinolates are converted in the body to isothiocyanates after they are ingested and hydrolyzed. The isothiocyanate sulforaphane is one of the most effective activators of phase II detoxification, which occurs primarily in the gut and the liver.^{1,2} Sulforaphane and resveratrol promote the activity of nuclear factor erythroid 2-related factor 2 (Nrf2), a transcription factor that supports robust, long-lasting expression of numerous genes responsible for phase II detoxification and protection against oxidative stress.³ Among these genes are glutathione peroxidase, superoxide dismutase and various phase II enzymes, such as glutathione S-transferases.⁴ 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.⁵

Found in virtually every cell of the body, glutathione plays essential roles in protein synthesis, synthesis

and repair of DNA, enzyme function, transport and cell maturation.⁶ Optimal levels of glutathione have been associated with physical and mental health.⁷ The highest concentration of glutathione is found in the liver, where it offers antioxidant support, protects tissue and maintains detoxification.^{8,9} In a randomized clinical trial, supplementation with 250 and 1,000 mg of Setria[®] glutathione per day increased glutathione levels in the blood after one, three and six months. At six months, mean glutathione levels in the high-dose group increased 30-35% in erythrocytes, plasma and lymphocytes, and 260% in buccal cells ($p < 0.05$). In the low-dose group, mean glutathione levels increased 17% and 29% in blood and erythrocytes, respectively ($p < 0.05$). Both glutathione dose groups showed support for antioxidant defenses, indicated by decreases in the oxidized-to-reduced-glutathione ratio in whole blood after six months.^{10†}

SUGGESTED USE

As a dietary supplement, take 1 capsule, 1-3 times daily, with 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

SOURCE

- Broccoli sprout concentrate is a 20:1 extract derived from *Brassica oleracea italica* and standardized to contain a minimum of 1,000 mcg sulforaphane
- Glutathione is sourced from corn glucose fermentation
- Resveratrol is synthetic

NOTES

Size 0 caps

Bottle count 60

Order code NRF6

Bottle size 120 cc

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REFERENCES

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2. Karen-Ng LP, et al. *Asian Pac J Cancer Prev*. 2011;12(5):1161-6.
3. Krajka-Kuźniak V, et al. *J Physiol Biochem*. 2015 Jun;71(2):227-38.
4. Brooks JD, et al. *Cancer Epidemiol Biomarkers Prev*. 2001 Sep;10(9):949-54.
5. Kode A, et al. *Am J Physiol Lung Cell Mol Physiol*. 2008 Mar;294(3):L478-88.
6. Wu G, Fang YZ, Yang S, et al. *J Nutr*. 2004 Mar;134(3):489-92.
7. Lang CA, et al. *J Lab Clin Med*. 2002 Dec;140(6):413-7.
8. Hazelton GA, et al. *Biochem J*. 1980 Apr 15;188(1):25-30.
9. Hollins DL, et al. *Free Radic Biol Med*. 2006 Apr 1;40(7):1220-6.
10. Richie JP Jr, et al. *Eur J Nutr*. 2015 Mar;54(2):251-63.

SUPPLEMENT FACTS

1 capsule, 1-3 times daily, with meals.

Each (size 0) vegetarian capsule contains:

Broccoli (<i>Brassica oleracea italica</i>) sprout concentrate (whole plant) (standardized to contain 1,000 mcg sulforaphane)	250 mg
Setria® glutathione (reduced form)	250 mg
resVida® resveratrol (as trans-resveratrol)	15 mg
Other ingredients: vegetarian capsule (cellulose, water)	

Setria® is a registered trademark of KYOWA HAKKO BIO Co., Ltd.

resVida® is a trademark of DSM.



Nrf2 Detox	Quantity	Order Code
	60	NRF6

Visit PureEncapsulationsPro.com for more information about our GMO policy.

†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.