

## PRM Resolve

Pro-Resolving Mediators\*

### PRM Resolve Supplementation

PRM Resolve is a proprietary formula providing pro-resolving lipid mediators (PRMs), which help encourage “specialized pro-resolving mediator” (SPM) production in the body. SPMs are unique molecules that evoke novel pro-resolving mechanisms and play extensive roles in host defense, tissue remodeling, and organ support.\*<sup>1</sup>

SPM production is affected by several factors, particularly nutrition, health status, genetics, and lifestyle choices. Lack of SPM production may hinder the body’s ability to effectively resolve an immune response, thereby impacting health and well-being.<sup>2</sup>

The body’s need for SPMs may vary due to variables such as chronic stress, excessive exposure to environmental contaminants, aging processes, unhealthy diet choices (such as excess intake of sugar and low intake of essential fatty acids), sedentary lifestyle, and lack of exercise (or being overly active).\*

An expansive and evolving body of preclinical research suggests that SPMs play a pivotal role in resolving immune responses.\*<sup>3</sup> Since many factors impact the amount of SPMs the body produces, supplementing with PRMs is a prudent and efficacious choice for supporting the resolution of immune responses in the body.\*<sup>4</sup>

PRM Resolve is formulated with key pro-resolving mediators (PRMs derived from fractionated marine lipids as well as EPA and DHA, which the body uses to produce SPMs).\*

- PRM Resolve provides a multifunctional approach to promote a healthy response to physical stress and support challenges that the body may face.\*
- Specialized pro-resolving mediators are a novel genus of molecules that play a key role in resolving (completing) a healthy immune response.\*
- SPMs work to support healthy immune cell activities during the “resolution phase” of an immune response.\*



GLUTEN-FREE



DAIRY-FREE



NON-GMO



cGMP FACILITY

## How PRM Resolve Works

The discovery of the structurally distinct families of signaling molecules—namely resolvins, maresins, and protectins, collectively termed “specialized pro-resolving mediators”—led scientists to a newfound interest in the mechanisms that promote a healthy immune response (which thereby helps the body attain homeostasis).<sup>♦5</sup>

As research on these unique and potent molecules has grown, it’s become quite clear that they are “resolving agonists” with the potential to stimulate key cellular events that promote the completion (i.e., resolution) of a healthy immune response.<sup>♦6</sup>

But why is resolving an immune response so crucial for health and well-being? Think of an immune response like a wildfire; it starts in a localized area and doesn’t impact much of the surroundings. However, if left unresolved, the fire rapidly spreads further and further, consequently causing significant ramifications and damage.

SPMs are much like the “fire extinguisher” in this case, helping the body return to homeostasis and removing unwanted debris, microbes, and dead immune cells from the body before the immune response can permeate further.<sup>♦</sup>

In short, SPMs are a revolutionary family of signaling molecules that work harmoniously to support healthy immune responses and help the body return to a healthy balance (i.e., homeostasis).<sup>♦</sup>

## Supplement Facts

Serving Size: 2 Softgels

Servings Per Container: 30/60

|                                           | Amount Per Serving | %DV* |
|-------------------------------------------|--------------------|------|
| Calories                                  | 25                 |      |
| Total Fat                                 | 2 g                | 3%   |
| Cholesterol                               | 10 mg              | 3%   |
| Protein                                   | <1 g               |      |
| Marine Lipid Concentrate                  | 2.1 g              | **   |
| Total Omega-3 Fatty Acids                 | 1,200 mg           | **   |
| EPA (Eicosapentaenoic Acid)               | 580 mg             | **   |
| DHA (Docosahexaenoic Acid)                | 420 mg             | **   |
| Additional Omega-3 Fatty Acids            | 200 mg             | **   |
| Total PRMs [including                     | 400 mcg            | **   |
| 18-hydroxyeicosapentaenoic acid           |                    |      |
| (18-HEPE), 17-hydroxydocosahexaenoic      |                    |      |
| acid (17-HDHA), 14-hydroxydocosahexaenoic |                    |      |
| acid (14-HDHA)].                          |                    |      |

**Other Ingredients:** Highly concentrated omega-3 marine oil (anchovy, sardine, squid, and mackerel), capsule shell (gelatin, glycerin, purified water), natural lemon flavor, natural mixed tocopherols.

**Contains: Fish (anchovy, sardine, squid, and mackerel).**

**Directions:** Take two softgels daily or as directed by your healthcare practitioner.

**Caution:** If pregnant, nursing, or taking nutritional supplements or medications, consult your healthcare practitioner before use. Keep out of reach of children.

### References:

1. Serhan, C. N. (2014). Pro-resolving lipid mediators are leads for resolution physiology. *Nature*, 510(7503), 92.
2. Bannenberg, G., & Serhan, C. N. (2010). Specialized pro-resolving lipid mediators in the inflammatory response: an update. *Biochimica et Biophysica Acta (BBA)-Molecular and Cell Biology of Lipids*, 1801(12), 1260-1273.
3. N Serhan, C., Krishnamoorthy, S., Recchiuti, A., & Chiang, N. (2011). Novel anti-inflammatory-pro-resolving mediators and their receptors. *Current topics in medicinal chemistry*, 11(6), 629-647.
4. Serhan, C. N., & Chiang, N. (2013). Resolution phase lipid mediators of inflammation: agonists of resolution. *Current opinion in pharmacology*, 13(4), 632-640.
5. Serhan, C. N., & Chiang, N. (2008). Endogenous pro-resolving and anti-inflammatory lipid mediators: a new pharmacologic genus. *British journal of pharmacology*, 153(S1), S200-S215.
6. Serhan, C. N., Chiang, N., & Dalili, J. (2015, May). The resolution code of acute inflammation: novel pro-resolving lipid mediators in resolution. *In Seminars in immunology* (Vol. 27, No. 3, pp. 200-215). Academic Press.

\* 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.

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