



Product information

Food
ingredient

Marine Proteoglycan™ (MPG)

Product Summary

Marine Proteoglycan is a food ingredient (grinded product) developed from salmon nasal cartilage using a unique manufacturing method.

Safety data

- Reverse mutation (Ames) test using bacteria
- *In vivo* micronucleus test using rat peripheral blood
- Target organ toxicity test in rat
- 4-week repeated oral administration toxicity test in rat

Efficacy data

- Test on skin collagen synthesis in mice with low protein nutritional load
- Chondrocyte Protection-Related test (promotion of chondrocyte proliferation, inhibition of collagen-degrading enzymes in cartilage, suppression of reduced expression of cartilage synthesis enzymes, cartilage regeneration, restoration of acidic mucopolysaccharide production)

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