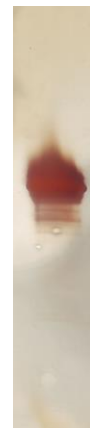


Purified Natural Shrimp Tropomyosin

Product Code:	NA-STM-1
Lot No:	xxxxxx
Allergen:	Shrimp tropomyosin
Source:	Carolina Shrimp (see Note 3 for species information)
Mol. Wt:	36 kD
Purification:	From boiled shrimp extract by affinity chromatography. Purity on silver stained SDS-PAGE >95%.
Concentration:	See product insert.
Formulation:	Preservative-free and carrier-free in phosphate buffered saline, pH 7.4. Sterile filtered.
Storage:	Store at -20°C
Notes:	(1) Additional bands below 36kD represent tropomyosin fragments. (2) Avoid repeated Freeze/Thaw cycles. (3) There are generally two species, the white (<i>L.setiferus</i>) and brown (<i>F. aztecus</i>) shrimp that overlap in seasons in the Carolina waters. Pink shrimp (<i>F. duorarum</i>) also occur, especially in North Carolina catches. Because of the overlap of three different species, we cannot specify the species, most likely it is a mixture.



Shrimp tropomyosin

An InBio™ product

For Research Use Only: Not for Diagnostic or Therapeutic Use

REFERENCES:

- 1) Shanti KN et al. Identification of tropomyosin as the major shrimp allergen and characterization of its IgE-binding epitopes. *J Immunol.* 151(10):5354-5363. 1993
- 2) Daul CB et al. Identification of the major brown shrimp (*Penaeus aztecus*) allergen as the muscle protein tropomyosin. *Int Arch Allergy Immunol.* 105(1):49-55. 1994
- 4) Santos AB et al. Cross-reactive IgE antibody responses to tropomyosins from *Ascaris lumbricoides* and cockroach. *J Allergy Clin Immunol* 2008; 121(4):1040-1046