

SPECIFICATION SHEET

Product Name: Pen m 6

Catalog # PM06-A31H

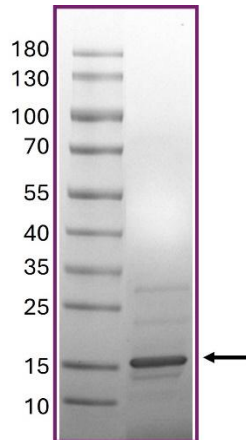
Product Description: Recombinant *Penaeus monodon* allergen, Pen m 6, was expressed in *E. coli* and purified by affinity chromatography using a His tag.

Storage and Stability: Store at -20°C. To avoid repeated handling and multiple freeze/thaw cycles aliquot diluted product into smaller quantities.

Data for a Sample Lot:

Source : *Penaeus monodon* (Giant tiger prawn)
Accession Numbers : Genbank: [HM034316](https://www.ncbi.nlm.nih.gov/nuclseq/1008800000/)
Host : *E. coli*
Formulation : Recombinant protein stored in 1X PBS, 5% trehalose solution
Molecular weight : Calculated: 18.1 kDa
Observed: ~16 kDa
Purity : The purity was determined to be ≥90% by densitometry

Gel Image



References

1. Wai C, et al. Comprehending the allergen repertoire of shrimp for precision molecular diagnosis of shrimp allergy. *Allergy*. 77:10-3041, 2022.
2. Kalyanasundaram A, et al: Identification and characterization of new allergen troponin C (Pen m 6.0101) from Indian black tiger shrimp *Penaeus monodon*. *Eur Food Res Technol*. 240:3- 2015