

SPECIFICATION SHEET

Product Name: Man i 1
Catalog # MN01-A22H

Product Description: Recombinant *Mangifera indica* allergen Man i 1 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 product into smaller quantities.

Alternative Names : Glyceraldehyde-3-phosphate dehydrogenase, Class IV chitinase

Source : *Mangifera indica* (mango)

Accession Numbers : Genbank: [UY079699](https://www.ncbi.nlm.nih.gov/nuclot/UY079699)
 UniProt: [A0A1B1FG09](https://www.uniprot.org/uniprot/A0A1B1FG09)

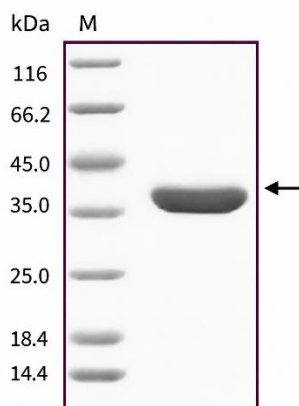
Host : *E. coli*

Formulation : Protein stored in 20 mM Tris, 300 mM NaCl, pH 8.0

Molecular Weight : Calculated: 38.1 kDa
 Observed: ~36.0 kDa

Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Zhao L, et al. Molecular characterization of allergens and component-resolved diagnosis of IgE-mediated mango fruit allergy. *Allergy*. 2023 Jun;78(6):1699-1703.
2. Tsai WC, et al: Cloning, expression, and purification of recombinant major mango allergen Man i 1 in *Escherichia coli*. *Protein Expr Purif*, 2017 Feb;130:35-43.

Version: 1.0