

SPECIFICATION SHEET

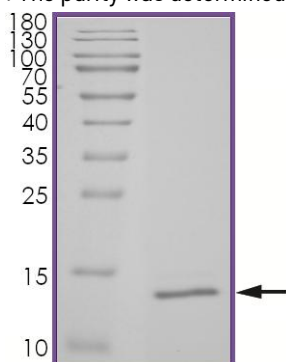
Product Name: Man i 4
Catalog # MN04-A922H

Product Description: Recombinant *Mangifera indica* allergen, Man i 4, was expressed in *E. coli* with a His tag and purified by a combination of affinity and ion exchange chromatography.

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

Data for a Sample Lot:

Alternate Names : *Mangifera indica* (mango) profilin allergen isoform 1
Source : *Mangifera indica* (Mango)
Accession Numbers : GenBank: [OK136959.1](https://www.ncbi.nlm.nih.gov/nuclot/OK136959.1)
Host : *E. coli*
Formulation : Recombinant protein stored in 1x PBS, 5% sucrose solution
Molecular weight : Calculated: 15.3 kDa
 Observed: ~13 kDa
Purity : The purity was determined to be > 90% by densitometry
Gel Image



References

1. Zhao L, Xie H, Wang X, Liu M, Ma T, Fu W, Wang Y, Wu D, Feng Y, Liu Y, Wu S, Zhang X, Wang H, Luo F, Guo B, Wu H, Yu Y, Fu L, Valenta R, Vrtala S, van Ree R, Wang X, Gao Z. Molecular characterization of allergens and component-resolved diagnosis of IgE-mediated mango fruit allergy. *Allergy*. 2023 Jun;78(6):1699-1703. doi: 10.1111/all.15664. Epub 2023 Feb 11. PMID: 36724175.