

SPECIFICATION SHEET

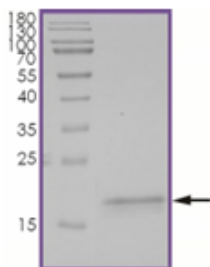
Product Name: Man i 4
Catalog # MN04-A921H

Product Description: Recombinant *Mangifera indica* allergen Man i 4 was expressed in *N. benthamiana* 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	: <i>Mangifera indica</i> (mango) profilin allergen isoform 1
Source	: <i>Mangifera indica</i> (Mango)
Accession Numbers	: GenBank: OK136959.1
Host	: <i>Nicotiana benthamiana</i> (Tobacco)
Formulation	: Recombinant protein stored in 10 mM sodium phosphate, pH 7.7, 150 mM NaCl solution
Molecular Weight	: Calculated: 17.3 kDa Observed: ~17 kDa
Purity	: The purity was determined to be $\geq 90\%$ 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.