

SPECIFICATION SHEET

Product Name: Mal d 1
Catalog # MD01-A22H

Product Description: Recombinant *Malus domestica* allergen Mal d 1 was expressed in *P. pastoris* 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 : Apple pathogenesis-related protein, PR-10, Bet v 1 family member

Source : *Malus domestica* (apple)

Accession Numbers : Genbank: [CAA58646](#)

UniProt: [P43211](#)

Host : *P. pastoris*

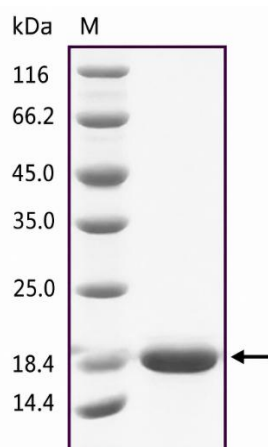
Formulation : Protein stored in 20 mM Tris, 300 mM NaCl, pH 8.0

Molecular Weight : Calculated: 18.4 kDa

Observed: ~18.4 kDa

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

Gel Image



References

1. Vanek-Krebitz M, et al. Cloning and sequencing of Mal d 1, the major allergen from apple (*Malus domestica*), and its immunological relationship to Bet v 1, the major birch pollen allergen. *Biochem Biophys Res Commun*. 1995 Sep 14;214(2):538-51.
2. Vieths S, et al. Characterization of the 18-kDa apple allergen by two-dimensional immunoblotting and microsequencing. *Int Arch Allergy Immunol*. 1994 Aug;104(4):399-404.

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