

SPECIFICATION SHEET

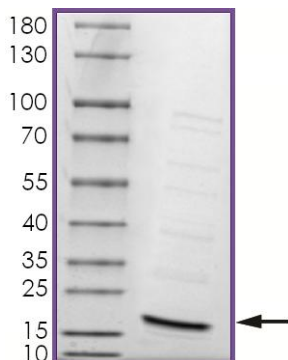
Product Name: Ama r 2
Catalog # AR01-A32H

Product Description: Recombinant *Amaranthus retroflexus* allergen, Ama r 2, 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.

Data for a Sample Lot:

Alternate Names : Ama r 2.0101, Profilin
Source : *Amaranthus retroflexus*
Accession Numbers : Genbank: [FJ899746](#)
 UniProt: [C3W207](#)
Host : *E. coli*
Formulation : Protein stored in 1X PBS, 5% trehalose solution
Molecular weight : Calculated: 15.3 kDa
 Observed: ~17 kDa
Purity : The purity was determined to be >80% by densitometry
Gel Image



References

1. Tehrani M, et al: Identification of a New Allergen from *Amaranthus retroflexus* Pollen, Ama r 2, *Allergology International*, Volume 60, Issue 3, Pages 309-316, ISSN 1323-8930, 2011.
2. Vasiee A, et al: Analysis of different signal peptides for the secretory production of Ama r 2 in gram-positive systems (*Lactococcus lactis*). *Microb Pathog.* Jan;138:103819, 2020.