

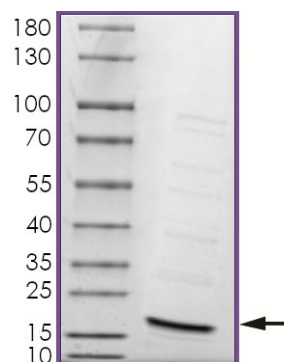
Ama r 2

Recombinant allergen protein expressed in *E. coli*

Catalog # AR01-A32H

Lot # 1M2919-1

Catalog Number	AR01-A32H
Allergen	Ama r 2
Alternate Names	Ama r 2.0101, Profilin
Source	<i>Amaranthus retroflexus</i>
Accession Numbers	Genbank: FJ899746 UniProt: C3W2Q7
Host	<i>E. coli</i>
Formulation	Recombinant protein stored in 1X PBS, 5% trehalose solution.
Molecular Weight	Calculated: 15.3 kDa Observed: ~17 kDa
Purity	The purity of Ama r 2 was determined to be >80% by densitometry.
Concentration	0.85 µg/µl



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 diluted product into smaller quantities.

References

1. Tehrani M, et al: Identification of a New Allergen from *Amaranthus retroflexus* Pollen, Ama r 2, Allergy 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.

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