

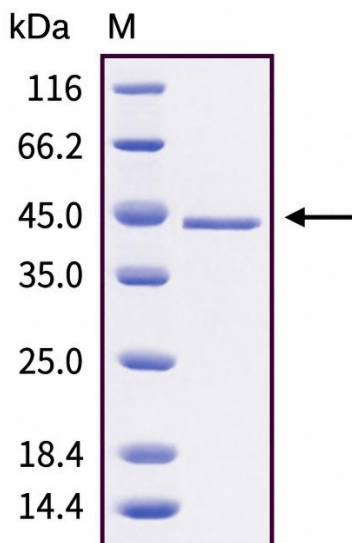
SPECIFICATION SHEET

Product Name: Amb a 1
Catalog #AA01-A22H

Product Description: Recombinant *Ambrosia artemisiifolia* allergen Amb a 1 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.

Alternative Names	: Antigen E, antigen K, pectate lyase 5
Source	: <i>Ambrosia artemisiifolia</i> (short ragweed)
Accession Numbers	: Genbank: AAA32665 UniProt: P27759
Host	: <i>E. coli</i>
Formulation	: Protein stored in 20 mM PB, 500 mM NaCl, 30% Glycerol, pH 7.4
Molecular Weight	: Calculated: 39.5 kDa Observed: ~43.0 kDa
Purity	: The purity was determined to be ≥ 90% by densitometry
Gel Image	



References

1. Rafnar T, et al. Cloning of Amb a I (antigen E), the major allergen family of short ragweed pollen. J Biol Chem. 1991 Jan 15;266(2):1229-36.
2. Wopfner N, et al. Immunologic analysis of monoclonal and immunoglobulin E antibody epitopes on natural and recombinant Amb a 1. Clin Exp Allergy. 2008 Jan;38(1):219-26.

Version: 1.0