

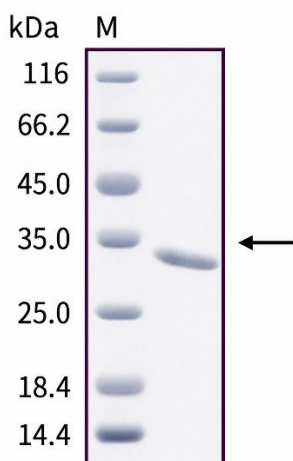
## SPECIFICATION SHEET

**Product Name: Amb a 1A**
**Catalog #AA1A-A22H**

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

|                          |                                                                        |
|--------------------------|------------------------------------------------------------------------|
| <b>Alternative Names</b> | : antigen E, antigen K, pectate lyase 5                                |
| <b>Source</b>            | : <i>Ambrosia artemisiifolia</i> (short ragweed)                       |
| <b>Accession Numbers</b> | : Genbank: <a href="#">AAA32665</a><br>UniProt: <a href="#">P27759</a> |
| <b>Host</b>              | : <i>E. coli</i>                                                       |
| <b>Formulation</b>       | : Protein stored in 10 mM PB, 500 mM NaCl, 30% Glycerol, pH 7.4        |
| <b>Molecular Weight</b>  | : Calculated: 23.8 kDa<br>Observed: ~29.0 kDa                          |
| <b>Purity</b>            | : 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