

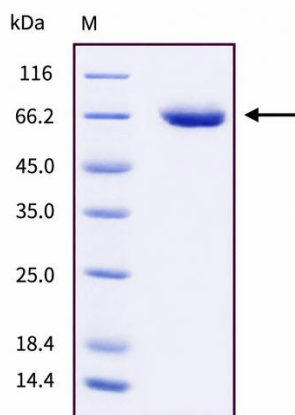
## SPECIFICATION SHEET

**Product Name: Ara h 1**
**Catalog # AH01-A22H**

**Product Description:** Recombinant *Arachis hypogaea* allergen Ara h 1 was expressed in *Baculovirus-Insect* 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> | : Peanut seed storage protein, 7S globulin, vicilin                    |
| <b>Source</b>            | : <i>Arachis hypogaea</i> (peanut)                                     |
| <b>Accession Numbers</b> | : Genbank: <a href="#">AAB00861</a><br>UniProt: <a href="#">P43238</a> |
| <b>Host</b>              | : <i>Baculovirus-infected Sf9 insect cells</i>                         |
| <b>Formulation</b>       | : Protein stored in 20 mM Tris, 300 mM NaCl, 10% Glycerol, pH 7.4      |
| <b>Molecular Weight</b>  | : Calculated: 70.1 kDa<br>Observed: ~67 kDa                            |
| <b>Purity</b>            | : The purity was determined to be ≥ 90% by densitometry                |
| <b>Gel Image</b>         |                                                                        |



### References

1. Burks AW, et al: Recombinant peanut allergen Ara h I expression and IgE binding in patients with peanut hypersensitivity. *J Clin Invest.* Oct;96(4):1715-21, 1995.
2. Viquez OM, et al: Structure and organization of the genomic clone of a major peanut allergen gene, Ara h 1. *Mol Immunol.* Dec;40(9):565-71, 2003