

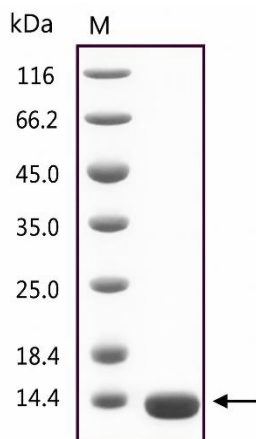
## SPECIFICATION SHEET

**Product Name: Hum s 3**
**Catalog # HS03-A22H**

**Product Description:** Recombinant *Humulus scandens* allergen Hum s 3 was expressed in *P. pastoris* 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** : Hum s 3 allergen  
**Source** : *Humulus scandens* (hop)  
**Accession Numbers** : Genbank: [ADB97919.1](https://www.ncbi.nlm.nih.gov/nuclot/ADB97919.1)  
 UniProt: [A0A6J3WUE7](https://www.uniprot.org/uniprot/A0A6J3WUE7)  
**Host** : *P. pastoris*  
**Formulation** : Protein stored in 20 mM Tris, 300 mM NaCl, pH 7.5  
**Molecular Weight** : Calculated: 10.5 kDa  
 Observed: ~11.0 kDa  
**Purity** : The purity was determined to be ≥ 90% by densitometry

**Gel Image**

**References**

1. Xi GP, et al. Establishment and characterization of murine models of asthma and subcutaneous immunotherapy for *Humulus* pollen allergy. *Immun Inflamm Dis*. 2021 Jun;9(2):443-455.

Version: 1.0