

SPECIFICATION SHEET

Product Name: Ory s 12
Catalog # OS12-A32H

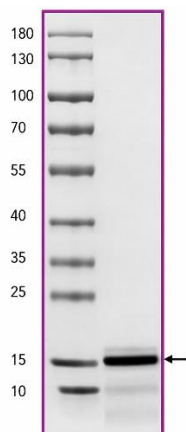
Product Description: Recombinant *Oryza sativa subsp. japonica* (Rice) allergen Ory s 12 was expressed in *E. coli* and purified by affinity chromatography using a His tag.

Storage and Stability: Store at -20°C. To avoid repeated handling and multiple freeze/thaw cycles, aliquot product into smaller quantities.

Data for a Sample Lot:

Alternative Names : Profilin A
Source : *Oryza sativa subsp. japonica* (Rice)
Accession Numbers : Genbank: [AF310253](https://www.ncbi.nlm.nih.gov/nuclot/AF310253)
 UniProt: [Q9FUD1](https://www.uniprot.org/uniprot/Q9FUD1)
Host : *E. coli*
Formulation : Protein stored in 1X PBS, 5% trehalose solution
Molecular Weight : Calculated: 15.3 kDa
 Observed: ~15 kDa
Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Hirano K, et al. Allergenic potential of rice-pollen proteins: expression, immuno-cross reactivity and IgE-binding. J Biochem. 2013 Aug;154(2):195-205.
2. Castor M, et al. Identification of cross-reactive IgE-binding proteins from Philippine allergenic grass pollen extracts. Asia Pac Allergy. 2024 Aug;14(3):108-117.
3. Russell S, et al. Transcriptome-Based Examination of Putative Pollen Allergens of Rice (*Oryza sativa* ssp. *japonica*). Molecular Plant, 1, 751-759