

SPECIFICATION SHEET

Product Name: Art v 4

Catalog # AV04-A31H

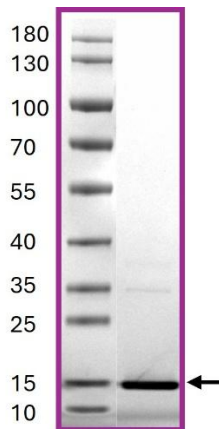
Product Description: Recombinant *Artemisia vulgaris* allergen Art v 4 was expressed in *E. coli* and purified by affinity chromatography using a His tag.

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

Data for a Sample Lot:

Alternate Names : Profilin
Source : *Artemisia vulgaris*
Accession Numbers : Genbank: [AJ421030](https://www.ncbi.nlm.nih.gov/nuclot/AJ421030)
UniProt: [Q8H2C9](https://www.uniprot.org/uniprot/Q8H2C9)
Host : *E. coli*
Formulation : Protein stored in 1X PBS, 5% trehalose solution
Molecular Weight : Calculated: 15.5 kDa
Observed: ~ 15 kDa
Purity : The purity was determined to be >90% by densitometry

Gel Image



References

1. Wopfner N, et al: Molecular and immunological characterization of profilin from mugwort pollen. *Biol Chem.* Nov;383(11):1779-89, 2002.
2. Offermann LR, et al: Structural, Functional, and Immunological Characterization of Profilin Panallergens Amb a 8, Art v 4, and Bet v 2. *J Biol Chem.* Jul 22;291(30):15447-59, 2016.
3. Wang T. et al: Recombinant Art v4.01 protein produces immunological tolerance by subcutaneous immunotherapy in a wormwood pollen-driven allergic asthma female mouse model. *PLoS One.* 2024 Jun 28;19(6): e0280418.