

SPECIFICATION SHEET

Product Name: Art v 1
Catalog # AV01-A921H

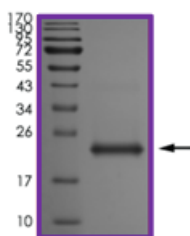
Product Description: Product Description: Recombinant full-length *Artemisia vulgaris* major pollen allergen Art v 1 was expressed in tobacco and purified by affinity chromatography using a His tag.

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:

Alternate Names : Defensin-like protein linked to polyproline-rich region
Source : *Artemisia vulgaris*
Accession Numbers : GenBank: [AF493943.1](https://www.ncbi.nlm.nih.gov/nuclot/AF493943.1)
 UniProt: [Q84ZX5](https://www.uniprot.org/uniprot/Q84ZX5)
Host : Tobacco
Formulation : Recombinant protein stored in 1x PBS solution
Molecular Weight : Calculated: 14.1 kDa
 Observed: ~20 kDa
Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Himly M, et al: Art v 1, the major allergen of mugwort pollen, is a modular glycoprotein with a defensin-like and a hydroxyproline-rich domain. *FASEB J.* 17:106-108, 2003.
2. Schmid-Grendelmeier P, et al: Native Art v 1 and recombinant Art v 1 are able to induce humoral and T cell-mediated in vitro and in vivo responses in mugwort allergy. *J Allergy Clin Immunol.* 111(6):1328-1336, 2003.