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SPECIFICATION SHEET

Product Name: Art v 3.02 — Catalog # AV02-A921H

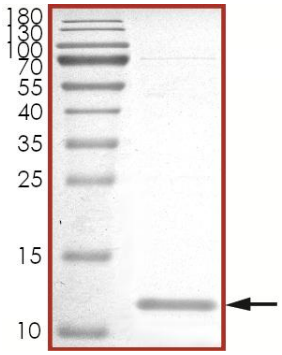
Product Description: Recombinant full-length *Artemisia vulgaris* allergen Art v 3.02 was expressed in *E. coli* and purified by affinity chromatography using a His tag.

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:

Alternate Names	: Non-specific lipid-transfer protein, Art v 3
Source	: *Artemisia vulgaris*
Accession Numbers	: GenBank: EU564845.1 UniProt: C4MGG9
Host	: *E. coli*
Formulation	: Recombinant protein stored in 1x PBS solution.
Molecular weight	: Calculated: 11.2 kDa Observed: ~12 kDa
Purity	: The purity was determined to be > 90% by densitometry

Gel Image



References

1. Gadermaier G, et al: Isoform identification and characterization of Art v 3, the lipid-transfer protein of mugwort pollen. Mol. Immunol. 46:1919-1924, 2009.

2. Wildner S, et al: Boiling down the cysteine-stabilized LTP fold - loss of structural and immunological integrity of allergenic Art v 3 and Pru p 3 as a consequence of irreversible lanthionine formation. Molecular Immunology. 116:140–150, 2019.