

SPECIFICATION SHEET

Product Name: Art v 3
Catalog # AV03-A921H

Product Description: Product Description: Recombinant full-length *Artemisia vulgaris* allergen Art v 3 was expressed in *Nicotiana benthamiana* 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 type 1, rArt v 3

Source

: *Artemisia vulgaris*

Accession Numbers

: GenBank: [EU564845.1](#)

UniProt: [C4MGG9](#)

Host

: *Nicotiana benthamiana* (tobacco)

Formulation

: Recombinant protein stored in 10 mM sodium phosphate buffer, pH 7.5, 150 mM NaCl solution

Molecular Weight

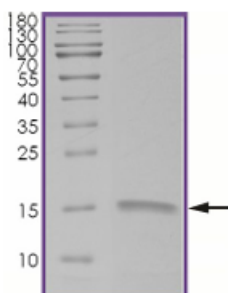
: Calculated: 12.4 kDa

Observed: ~15 kDa

Purity

: The purity was determined to be ≥ 95% 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. *Mol. Immunol.* 116:140-150, 2019.