

Art v 3 recombinant protein

Recombinant allergen Art v 3 for Artemisia vulgaris (Mugwort pollen)

CATALOG #
AAA72869

HOST
E Coli

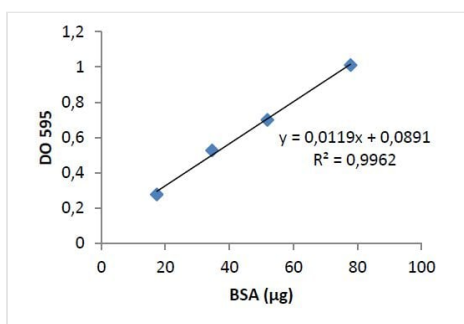
PRODUCT SYNONYMS

Art v 3; Recombinant allergen Art v 3 for Artemisia vulgaris (Mugwort pollen); Art v 3 recombinant protein

PRODUCT SPECIFICATIONS

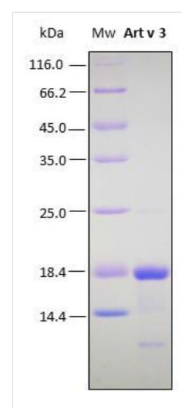
Host	E Coli
Purity/Purification	15% SDS-PAGE
Form/Format	Dry powder (lyophilized)
Concentration	0.98 mg/ml (varies by lot)
Organism	Artemisia
Storage Buffer	20 mM phosphate buffer pH 7 and 0.15 M NaCl
Quality Control	1. Protein concentration determined spectrophotometrically. 2. Purity control in SDS-PAGE: 15% 3. No precipitate observed after a freezing and thawing cycle.
Reconstitution	For lyophilized proteins: with 0.04 ml of sterile double-distilled water (lot specific) for a final concentration of 1.59 mg/ml (lot specific). The protein will be at pH 8.
Preparation and Storage	Lyophilized protein is shipped with on ice packs. Upon arrival, it should be stored at 20 degree C to -80 degree C. Aliquot after reconstitution in order to avoid repeated freezing and thawing cycles and store at 20 degree C to -80 degree C.

IMAGES



Application Data

This protein does not contain any Trp residues. Experience shows that this could result in more than 10% error in the computed extinction coefficient. Therefore, we have measured the protein concentration by using the colorimetric assay based on the interaction between Coomassie brilliant blue and the arginine and aromatic residues (Bradford Method) and its maximum absorption shifts from 470 nm to 595 nm. The standard curve was performed with the protein BSA. 40 µl of the protein were analysed. DO595 = 0.557



SDS-PAGE

Figure 1. SDS-PAGE analysis (15%) of 2 µl of recombinant allergen. Purity is >95% as determined by gel electrophoresis.

ADDITIONAL INFORMATION

Related Product Information for Art v 3 recombinant protein	Recombinant Allergen: Artemisia vulgaris Art v 3 is a nonspecific lipid transfer protein type 1 of Mugwort pollen (Gadermaiera et al., 2009). Description: The Artemisia vulgaris lipid transfer protein has been prepared as a recombinant mature protein fused to a his-tag.
References	Gadermaiera, G, Harrer, A, Girbla, T, Palazzoc, P, Himlyb, M, Vogel, O, Brizab, P, Maric, A, and F Ferreira. Isoform identification and characterization of Art v 3, the lipid-transfer protein of mugwort pollen. 2009. Molecular Immunology 46:1919-1924. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.

NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted MW: 16.3 kDa Observed MW: 18.4 kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/art-v-3-recombinant-protein-e-coli/72869>