

Ole e 1 recombinant protein

Recombinant allergen Ole e 1 for Olea europaea (olive tree)

CATALOG # AAA72868	HOST Pichia pastoris
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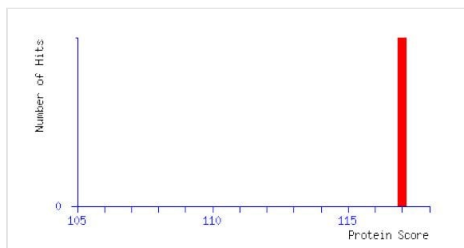
PRODUCT SYNONYMS

Ole e 1; Recombinant allergen Ole e 1 for Olea europaea (olive tree); Ole e 1 recombinant protein

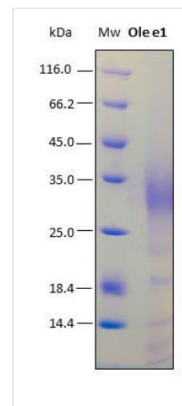
PRODUCT SPECIFICATIONS

Host	Pichia pastoris
Purity/Purification	15% SDS-PAGE
Form/Format	Dry powder (lyophilized)
Concentration	1.20 mg/ml (varies by lot)
Organism	Olea Europaea
Storage Buffer	20 mM phosphate buffer pH 8 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.
Protein Fingerprint by Mass Spectrometry	Top Score: 117 for ole e 1 Protein score is $-10 \cdot \log(P)$, where P is the probability that the observed match is a random event. Protein scores greater than 13 are significant ($p < 0.05$). The MS was performed with a by MALDI TOF/TOF model UltrafleXtreme (Bruker).
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



SDS-PAGE

Figure 1. SDS-PAGE analysis (15%) of 8 ul of the recombinant allergen ole e 1. Purity is >95% as determined by gel electrophoresis.

ADDITIONAL INFORMATION

Related Product Information for Ole e 1 recombinant protein	Recombinant Allergen: Olea europaea ole e 1 olive tree allergen (Asturias et al., 1997). Description: Ole e 1 is the most prevalent allergen of olive tree pollen. This allergen has been prepared as a recombinant mature protein fused to a his-tag in its C terminus.
References	Asturias, JA et al. Cloning and expression of the panallergen profiling and the major allergen (Ole e 1) from olive tree pollen. 1997, J. Allergy Clin Immunol 100:365-72. 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: 18.8 kDa Observed MW: 25-35 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.

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Online datasheet: <https://stage.aaabiotech.com/ole-e-1-recombinant-protein-pichia-pastoris/72868>