Can f 5 recombinant protein

Recombinant allergen Can f 5 for Canis familiaris (Dog)

CATALOG #	HOST
AAA72873	**Pichia pastoris**

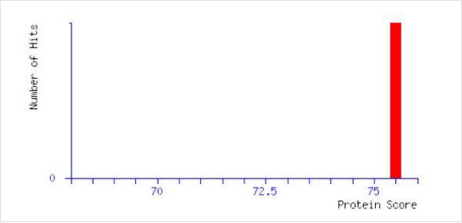
PRODUCT SYNONYMS

Can f 5; Recombinant allergen Can f 5 for Canis familiaris (Dog); Can f 5 recombinant protein

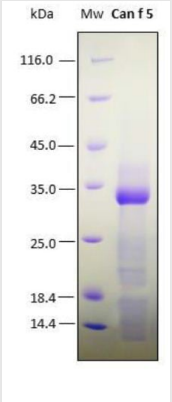
PRODUCT SPECIFICATIONS

Host	Pichia pastoris
Purity/Purification	12% SDS-PAGE
Form/Format	Dry powder (lyophilized)
Concentration	1 mg/ml (varies by lot)
Organism	Epithelia
Storage Buffer	20 mM phosphate buffer pH 8, 5 mM EDTA and 0.15 M NaCl
Quality Control	1. Protein concentration determined spectrophotometrically. 2. Purity control in SDS-PAGE: 12% 3. No precipitate observed after a freezing and thawing cycle.
Protein Fingerprint by Mass Spectrometry	Top Score: 76 for Can f 5 Protein score is -10*Log(P), where P is the probability that the observed match is a random event. Protein scores greater than 16 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 (12%) of 10 ul of recombinant allergen. Purity is >95% as determined by gel electrophoresis. Bands slightly smaller correspond to the same protein.

ADDITIONAL INFORMATION

Related Product Information for Can f 5 recombinant protein	Recombinant Allergen: Canis familiaris Can f 5 (Mattsson et al., 2009). Description: The Canis familiaris prostatic kallikrein, Can f 5, has been prepared as a recombinant mature allergen fused to a his-tag.
References	Mattsson et al. prostatic kallikrein: a new major dog allergen. 2009, J Allergy Clin Immunol 2009; 123:362-368 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: 30.4 kDa Observed MW: 25-35 kDa

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/can-f-5-recombinant-protein-pichia-pastoris/72873