

Der p 10 Recombinant Protein | Lep d 2 recombinant protein

Recombinant allergen Der p 10 for Dermatophagoides pteronyssinus (European house dust mite)

CATALOG #
AAA72872

HOST
E Coli

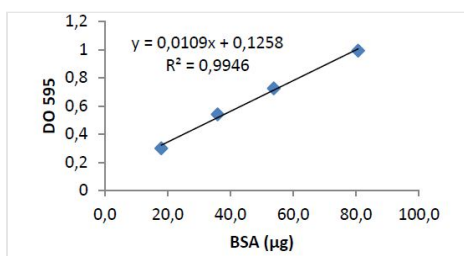
PRODUCT SYNONYMS

Der p 10; Recombinant allergen Der p 10 for Dermatophagoides pteronyssinus (European house dust mite); Lep d 2 recombinant protein

PRODUCT SPECIFICATIONS

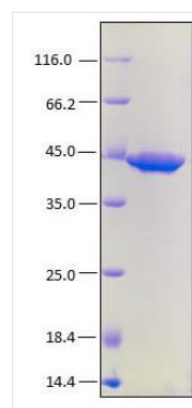
Host	E Coli
Purity/Purification	17% SDS-PAGE
Form/Format	Dry powder (lyophilized)
Concentration	1.225 mg/ml (varies by lot)
Organism	Acarus
Storage Buffer	20 mM phosphate buffer pH 8 and 0.2 M NaCl
Quality Control	1. Protein concentration determined spectrophotometrically. 2. Purity control in SDS-PAGE: 17% 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. $DO_{595} = 0.66$



SDS-PAGE

Figure 1. SDS-PAGE analysis (17%) of 3 µl of recombinant allergen. Purity is >95% as determined by gel electrophoresis.

ADDITIONAL INFORMATION

Related Product Information for Lep d 2 recombinant protein	Recombinant Allergen: Dermatophagoides pteronyssinus Der p 10 (Asturias et al., 1998). Description: Der p 10 is a minor allergen of the European house dust mite. This allergen corresponds to a tropomyosin and it has been produced as a recombinant mature protein fused to a his-tag in its N-terminus.
References	Asturias, JA, Arilla, MC, Gómez-Bayón, N, Martínez, A, Martínez, J and R Palacios. Sequencing and high level expression in Escherichia coli of the tropomyosin allergen Der p 10 from Dermatophagoides pteronyssinus. 1998, Biochimica et Biophysica Acta 1397: 27-30. Bradford, MM. A rapid and sensitive method for the quantitation of microgram quantities of protein utilizing the principle of protein dye binding. Anal Biochem. 1976, 131:499-503.

NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted MW: 39.3 kDa Observed MW: 45 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/der-p-10-recombinant-protein-e-coli/72872>