



Product Datasheet

Product Name	Recombinant Der P1 Protein
Cata No	CB500027
Synonyms	Peptidase 1, Major mite fecal allergen Der p 1, Allergen Der p I, Der p 1, DERP1, Der-P1.

Description

DERP1 is a thiol protease, with a preference for substrates with a large hydrophobic side chain in the P2 position, or with basic residues. DERP1 is a C1 peptidase family member. DERP1 has extensive endopeptidase specificity. DERP1 is N-glycosylated. N-glycanase treatment does not completely remove carbohydrates, suggesting that the protein contains additional glycosylation sites. DERP1 causes an allergic reaction in humans. Common symptoms of mite allergy are bronchial asthma, allergic rhinitis and conjunctivitis. DERP1 binds to IgE in 80% of patients with house dust allergy.

The E.Coli derived recombinant protein contains the Der P1 epitopes 114-192 amino acids.

Purity

4 Protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC.

Formulation

610mM Tris-HCl, pH 6.5, 100mM Sodium Phosphate and 8M urea.

Stability

Five years frozen. One month in solution at room temperature.

Application

Use as an antigen in ELISA and Western Blots.