9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Der P1

Der P1 Protein Recombinant
RCP0635

Product Overview

Name	Der P1
Description	
Der P1 Protein Recombinant	
Accession (Primary)	P08176
Synonyms	
Peptidase 1, Major mite fecal allergen Der p 1, Allergen Der p I, Der p 1, DERP1, Der-P1.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
60mM NaCl and 50mM Tris-HCl pH 8.0.	
Stability	
Der-P1 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.	
Purity	
Protein is >95% pure as determined by 10% SDS-PAGE (coomassie staining).	
Amino acid sequence	
MSIKTFEEYKKAFNKSYATFEDEEAARKNFLESVKYVQSNGGAINHLSDLSLDEFK NRFLMSAEAFEHLKTQFDLNAETNACSINGNAPAEIDLRQMRTVTPIRMQGGCGSAWAFS GVAATESAYLAYRNQSLDLAEQELVDCASQHGCHGDTIPRGIEYIQHNGVVQESYYRYVA REQSCRRPNAQRFGISNYCQIYPPNVNKIREALAQTHSAIAVIIGIKDLDAFRHYDGRTI	

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IQRDNGYQPNYHAVNIVGYSNAQGVDYWIVRNSWDTNWGDNGYGYFAANIDLMMIEEYPY VVILHHHHHH.

Purification Method

Purified by proprietary chromatographic technique.

Precautions

Der P1 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P08176)