

Recombinant Der P1 Protein

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| Catalog No. | CSI15679A CSI15679B CSI15679C | Quantity: | 100 µg 0.5 mg 1.0 mg |
| Alternate Names: | Peptidase 1, Major mite fecal allergen Der p 1, Allergen Der p I, Der p 1, DERP1, Der-P1. | | |
| Description: | <p>The E.Coli derived recombinant protein contains the Dermatophagoides pteronyssinus Der P1 full length protein (a.a. 1-321) and fused to a 6 His Tag at C-terminus, having a total Mw of 34.5kDa, pI 5.6.</p> <p>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.</p> | | |
| Molecular Weight: | 34.5 kDa | | |
| Formulation: | (1mg/ml) 60mM NaCl, 50mM Tris-HCl pH 8.0 and 1.2M Urea. | | |
| Purity: | Protein is >95% pure as determined by 10% SDS-PAGE (coomassie staining) | | |
| Method: | Purified by proprietary chromatographic technique. | | |
| Applications: | Use as an antigen in ELISA and Western Blots. | | |
| Storage & Stability: | <p>Protein is shipped at ambient temperature.</p> <p>Upon arrival, Store at -20°C .</p> <p>Product is stable for five years frozen. One month in solution at room temperature.</p> | | |

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