

DERP1 Protein, Dermatophagoides pteronyssinus (C132A, N150E, HEK293, His)

Cat. No.:	HY-P75706
Synonyms:	Peptidase 1; Allergen Der p I; DERP1
Species:	Others
Source:	HEK293
Accession:	P08176 (M1-L320, C132A, N150E)
Gene ID:	113791973
Molecular Weight:	Approximately 35.7 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM NH ₄ HCO ₃ , pH 8.3. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	DERP1 Protein, identified as a thiol protease, exhibits a distinct preference for substrates characterized by a large hydrophobic side chain in the P2 position or those containing basic residues. This specificity underscores its role in selectively cleaving target proteins with particular structural features, highlighting the enzyme's functional significance in cellular processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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