

Der p 23 Protein, Dermatophagoides pteronyssinus (HEK293, His)

Cat. No.:	HY-P75289
Synonyms:	Major mite allergen Der p 23; Peritrophin-like protein Der p 23; Der p 23
Species:	Others
Source:	HEK293
Accession:	L7N6F8 (A22-T90)
Gene ID:	113788516
Molecular Weight:	Approximately 19 kDa

PROPERTIES

AA Sequence	<p>A N D N D D D P T T T V H P T T T E Q P D D K F E C P S R F G Y F A D P K D P H</p> <p>K F Y I C S N W E A V H K D C P G N T R W N E D E E T C T</p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>Der p 23 protein, as indicated by available information, does not exhibit chitin-binding activity in vitro. Chitin is a polysaccharide often associated with the exoskeletons of insects and the cell walls of fungi, and the absence of chitin binding in Der p 23 suggests a unique functional profile. Additionally, Der p 23 is described as a monomeric protein, implying that it exists as a single, independent unit rather than forming complexes with other molecules. Understanding these characteristics is crucial for unraveling the biological role of Der p 23, particularly in the context of its interactions with environmental factors, and further research is needed to delineate the specific functions and implications of this protein within relevant physiological contexts. (</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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