

Pollen allergen Phl p 5b Protein, Phleum pratense (His-SUMO)

Cat. No.:	HY-P71554
Synonyms:	Pollen allergen Phl p 5b; Allergen Phl p Vb; allergen Phl p 5b; Fragment
Species:	Others
Source:	E. coli
Accession:	Q40963 (20A-284V)
Gene ID:	/
Molecular Weight:	Approximately 42.1 kDa

PROPERTIES

AA Sequence	<pre> ADAGYAPATP AAAGAAAGKA TTEEQKLIED INVGFKAAVA AAASVPAADK FKTFEAAFTS SSKAAAAKAP GLVPKLDAA Y SVAYKAAVGA TPEAKFDSFV ASLTEALRVI AGALEVHAVK PVTTEPGMAK IPAGELQIID KIDA AFKVAA TAAATAPADD KFTVFEEAFN KAIKESTGGA YDTYKCIPSL EAAVKQAYAA TVAAAPQVKY AVFEAALTKA ITAMSEVQKV SQPATGAATV AAGAATTAAG AASGAATVAA GGYKV </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
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	The Pollen allergen Phl p 5b protein exhibits ribonuclease activity and is speculated to play a role in host-pathogen interactions. Structurally, it forms a homodimer that is linked by disulfide bonds, emphasizing its molecular arrangement 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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