

Blot21 Protein, Blomia tropicalis (His)

Cat. No.:	HY-P77306
Synonyms:	Mite allergen Blo t 21; Mite group 21 allergen Blo t 21; Blo t 21
Species:	Others
Source:	E. coli
Accession:	AAX34047.1 (L17-E129)
Gene ID:	/
Molecular Weight:	Approximately 13.5 kDa

PROPERTIES

AA Sequence	<p> L P V S N D N F R H E F D H M I V N T A T Q R F H E I E K F L L H I T H E V D D L E K T G N K D E K A R L L R E L T V S E A F I E G S R G Y F Q R E L K R T D L D L L E K F N F E A A L A T G D L L L K D L K A L Q K R V Q D S E </p>
Biological Activity	Data is not available.
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.
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>Blot21, representing a new group of allergens, is an important <i>Blomia tropicalis</i> allergen. Allergenic components from <i>Blomia tropicalis</i> are important triggers of allergies in the tropics. Blot21 is a paralog of the group 5 allergen Blot5. Blot21 has moderate sequence identity (40.7%) to Blot5 and low to moderate cross-reactivity to Blot5. Blot21 consists of three anti-parallel α-helices assembled in a helical bundle resembling that of Blot5 and Derp5^{[1][2]}.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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