

## Blot21 Protein, Blomia tropicalis (HEK293, His)

Cat. No.:	HY-P77307
Synonyms:	Mite allergen Blo t 21; Mite group 21 allergen Blo t 21; Blo t 21
Species:	Others
Source:	HEK293
Accession:	AAX34047 (M1-E129)
Gene ID:	/
Molecular Weight:	Approximately 16.3 kDa.

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. 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 <sub>2</sub> 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	Blot21, representing a new group of allergens, is an important Blomia tropicalis allergen. Allergenic components from Blomia tropicalis 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 $\alpha$ -helices assembled in a helical bundle resembling that of Blot5 and Derp5 <sup>[1][2]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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