

BLOT2 Protein, Blomia tropicalis (HEK293, His)

Cat. No.:	HY-P77305
Synonyms:	Type 2 allergen Blo t 2.047
Species:	Others
Source:	HEK293
Accession:	AAQ73483 (M1-D144)
Gene ID:	/
Molecular Weight:	Approximately 15 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 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	BLOT1 is a Blomia tropicalis allergen and is highly homologous to cysteine proteases. BLOT1 may play a major role as an immunodominant allergen involved in dust mite-specific IgE-mediated hypersensitivity. BLOT1, like the other group 1 HDM allergens, is a digestive enzyme associated with mite fecal pellets ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA