

Canf1 Protein, Canine (HEK293, His)

Cat. No.:	HY-P76764
Synonyms:	Major allergen Can f 1; Allergen Dog 1; Can f 1
Species:	Canine
Source:	HEK293
Accession:	NP_001003190.1/O18873 (Q19-Q174)
Gene ID:	403830
Molecular Weight:	Approximately 19-24 kDa due to the glycosylation

PROPERTIES

AA Sequence	<p> Q D T P A L G K D T V A V S G K W Y L K A M T A D Q E V P E K P D S V T P M I L K A Q K G G N L E A K I T M L T N G Q C Q N I T V V L H K T S E P G K Y T A Y E G Q R V V F I Q P S P V R D H Y I L Y C E G E L H G R Q I R M A K L L G R D P E Q S Q E A L E D F R E F S R A K G L N Q E I L E L A Q S E T C S P G G Q </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	Canf1 is a major dog allergen. It is a protein produced in the canine VonEbner's glands and the possible role of the protein is in taste reception. Canf1 is mainly derived from dog dander, pelt hair and saliva. Exposure and sensitization to dog allergen is a significant cause of asthma ^[1] .
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Caution: Product has not been fully validated for medical applications. For research use only.

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