

Allergen Fel d 4 Protein, Cat (His-SUMO)

Cat. No.:	HY-P71573
Synonyms:	Allergen Fel d 4; allergen Fel d 4
Species:	Cat
Source:	E. coli
Accession:	Q5VFH6 (16H-186E)
Gene ID:	493739
Molecular Weight:	Approximately 35.7 kDa

PROPERTIES

AA Sequence	<pre> H E E E N V V R S N I D I S K I S G E W Y S I L L A S D V K E K I E E N G S M R V F V E H I K A L D N S S L S F V F H T K E N G K C T E I F L V A D K T K D G V Y T V V Y D G Y N V F S I V E T V Y D E Y I L L H L L N F D K T R P F Q L V E F Y A R E P D V S Q K L K E K F V K Y C Q E H G I V N I L D L T E V D R C L Q A R G S E V A Q D S S V E </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	<p>Fel d 4 is a lipocalin allergen produced by the cat, which binds IgE at relatively high frequency in cat-sensitive individuals. The allergen provides not only a means for investigating differences in the immune response to lipocalin allergens from that found for other mammalian species but also an important reagent for the diagnosis of cat allergy^[1].</p>
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REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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