

SPECIFICATION SHEET

Product Name: Fel d 1
Catalog # FD01-A951H

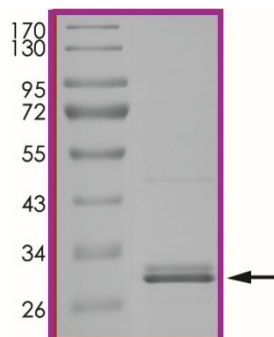
Product Description: Recombinant full-length *Felis catus* allergen Fel d 1 was expressed in *E. coli* using a C-terminal His tag. The gene accession numbers are NM_001048153 (chain 1) and NM_001048154 (chain 2).

Storage and Stability: Store at -20°C. To avoid repeated handling and multiple freeze/thaw cycles, aliquot diluted product into smaller quantities.

Data for a Sample Lot:

Alternative Names	: Major allergen I polypeptide chain 1, Allergen Cat-1, Major allergen I polypeptide chain 2, Allergen Cat-2
Source	: <i>Felis catus</i>
Accession Numbers	: Genbank: chain 1: NM_001048153.1 , chain 2: NM_001048154.1 UniProt: chain 1: P30438 , chain2: P30440
Host	: <i>E. coli</i>
Formulation	: Protein stored in 1X PBS
Molecular Weight	: Calculated: 28.2 kDa Observed: ~28 kDa
Purity	: The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Morgenstern JP, et al: Amino acid sequence of Fel d I, the major allergen of the domestic cat: protein sequence analysis and cDNA cloning. Proc. Natl. Acad. Sci. U.S.A. 88:9690-94, 1991.
2. Griffith IJ, et al: Expression and genomic structure of the genes encoding FdI, the major allergen from the domestic cat. Gene. 113:263-8, 1992.
3. Duffort OA, et al: Studies on the biochemical structure of the major cat allergen Felis domesticus I. Mol. Immunol. 28:301- 9, 1991.