

SPECIFICATION SHEET

Product Name: Can f 1 Biotinylated

Catalog # CF01-A31AH

Product Description: Recombinant full-length *Canis familiaris* major allergen Can f 1, Biotinylated, was expressed in *E. coli* using a C-terminal His tag.

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:

Alternate Names

: Major allergen Can f 1, Allergen Dog 1, Lipocalin

Source

: *Canis familiaris* (*C. lupus familiaris*) (Domestic dog)

Accession Numbers

: GenBank: [AF027177](https://www.ncbi.nlm.nih.gov/nuclseq/AF027177) UniProt: [018873](https://www.uniprot.org/uniprot/018873)

Host

: *E. coli*

Formulation

: Recombinant protein stored in 1x PBS solution

Molecular weight

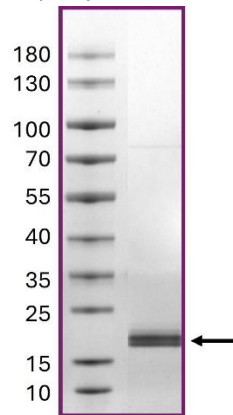
: Calculated: ~20.1 kDa

: Observed: ~18 kDa

Purity

: The purity was determined to be ≥90% by densitometry

Gel Image



References

1. An W, et al: Allergies to Allergens from Cats and Dogs: A Review and Update on Sources, Pathogenesis, and Strategies. *Int. J. Mol. Sci.* 25:19, 10520, 2024
2. Li H, et al: Improvement of the sensitivity of the detection of Gal d 6-specific IgE via biotinylation in vivo. *Allergologia et Immunopathologia.* 48:4, 348, 2020