

SPECIFICATION SHEET

Product Name: Der f 1
Catalog # DF01-A25H

Product Description: Recombinant *Dermatophagoides farinae* allergen Der f 1 was expressed in HEK293 Cells and purified by affinity chromatography using a His tag.

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

Alternative Names : Der f 1 allergen preproenzyme, group 1 dust mite allergen, cysteine protease

Source : *Dermatophagoides farinae* (dust mite)

Accession Numbers : Genbank: [AB034946.1](https://www.ncbi.nlm.nih.gov/nuclot/AB034946.1)

UniProt: [Q58A71](https://www.uniprot.org/uniprot/Q58A71)

Host : HEK293 Cells

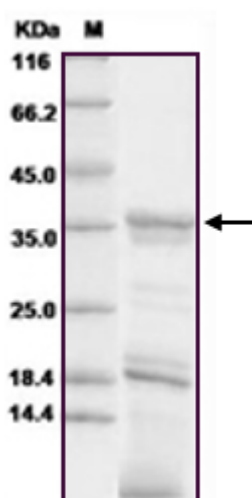
Formulation : Protein stored in PBS, pH 7.4

Molecular Weight : Calculated: 35.9 kDa

Observed: ~36.0 kDa

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

Gel Image



References

1. Best EA, et al. A recombinant group 1 house dust mite allergen, rDer f 1, with biological activities similar to those of the native allergen. *Protein Expr Purif.* 2000 Dec;20(3):462-71.
2. Piboonpocanun S, et al. Genetic polymorphisms of major house dust mite allergens. *Clin Exp Allergy.* 2006 Apr;36(4):510-516.

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