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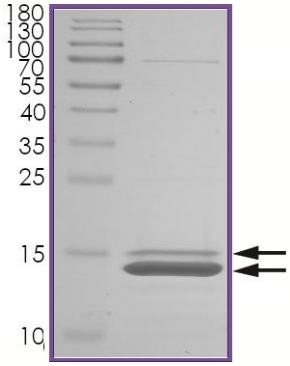
SPECIFICATION SHEET

Product Name: Der p 5 — Catalog # DP05-A941H

Product Description: Recombinant full-length *Dermatophagoides farinae* Der p 5 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 product into smaller quantities.

Data for a Sample Lot:

Alternate Names	: Mite allergen Der p 5, Allergen Der p V, IgE-binding allergen
Source	: *Dermatophagoides pteronyssinus*
Accession Numbers	: Genbank: X17699 UniProt: P14004
Host	: *E. coli*
Formulation	: Recombinant protein stored in 1x PBS solution
Molecular weight	: Calculated: 15.6 kDa Observed: ~14 kDa
Concentration	: 4.49 µg/µl
Purity	: The purity was determined to be >90% by densitometry
Gel Image	

References

1. Tovey ER, et al: Cloning and sequencing of a cDNA expressing a recombinant house dust mite protein that binds human IgE and corresponds to an important low molecular weight allergen. J Exp Med. 1989 Oct 1;170(4):1457-62. doi: 10.1084/jem.170.4.1457. Erratum in: J Exp Med 1990 Apr 1;171(4):1387. PMID: 2794865; PMCID: PMC2189463.
2. Lin KL, et al: Characterization of Der p V allergen, cDNA analysis, and IgE-mediated reactivity to the recombinant protein. J Allergy Clin Immunol. 1994 Dec;94(6 Pt 1):989-96. doi: 10.1016/0091-6749(94)90117-1. PMID: 7798547.