

SPECIFICATION SHEET

Product Name: Der p 2
Catalog # DP02-A941H

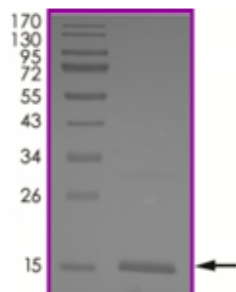
Product Description: Recombinant full-length Dermatophagoides pteronyssinus Der p 2 was expressed in E. coli and purified by affinity chromatography using a His tag.

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

Data for a Sample Lot:

Alternate Names : Mite group 2 allergen Der p 2, Allergen Der p II, DPX
Source : *Dermatophagoides pteronyssinus*
Accession Numbers : GenBank: [AF276239.1](https://www.ncbi.nlm.nih.gov/nuclot/AF276239.1)
 UniProt: [P49278](https://www.uniprot.org/uniprot/P49278)
Host : *E. coli*
Formulation : Recombinant protein stored in 1x PBS with 20 mM arginine and 1.5% sucrose
Molecular Weight : Calculated: 15.7 kDa
 Observed: ~15 kDa
Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image



References

1. Chua KY, et al. Isolation of cDNA coding for the major mite allergen Der p II by IgE plaque immunoassay. *Int Arch Allergy Appl Immunol.* 1990;91(2):118-123. doi: 10.1159/000235101. PMID: 2341191.
2. Derewenda U, et al. The crystal structure of a major dust mite allergen Der p 2, and its biological implications. *J Mol Biol.* 2002 Apr 19;318(1):189-197. doi: 10.1016/S0022-2836(02)00027-X. PMID: 12054778.