

SPECIFICATION SHEET

Product Name: Der p 21/23 Fusion
Catalog # DP22-A941H

Product Description: Recombinant full-length *Dermatophagoides pteronyssinus* fusion allergen Der p 21/23 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:

Allergen Name : Der p 21/23 Fusion

Alternate Names : Mite allergen Der p 21; Major House Dust Mite allergen Der p 23

Source : *Dermatophagoides pteronyssinus*

Accession Numbers : GenBank: Der p 21: [DQ354124.1](#), Der p 23 [EU414751.1](#)
 UniProt: Der p 21: [Q2L7C5](#), Der p 23 [L7N6F8](#)

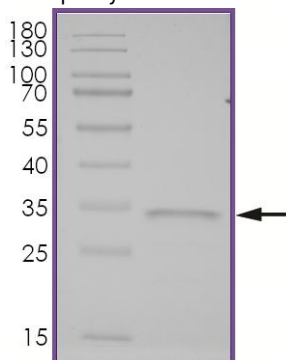
Host : *E. coli*

Formulation : Recombinant protein stored in 1x PBS solution

Molecular weight : Calculated: 24.5 kDa
 Observed: ~30 kDa

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

Gel Image



References

1. Weghofer M, et al. Characterization of Der p 21, a new important allergen derived from the gut of house dust mites. *Allergy*. 2008 Jun;63(6):758-767. doi: 10.1111/j.1398-9995.2008.01647.x. PMID: 18445190.
2. Mueller GA, et al. Serological, genomic, and structural analyses of the major mite allergen Der p 23. *Clin Exp Allergy*. 2016 Feb;46(2):365-376. doi: 10.1111/cea.12680. PMID: 26602749. PMCID: PMC4732897.