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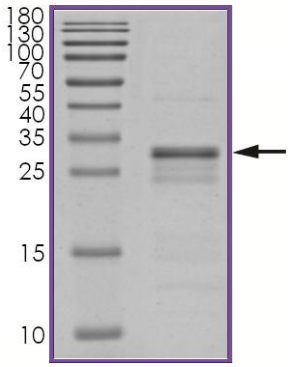
SPECIFICATION SHEET

Product Name: Der p 21/23 Fusion, Biotinylated — Catalog # DP22-A941AH

Product Description: Recombinant *Dermatophagoides pteronyssinus* fusion allergen Der p 21/23 was expressed in E. coli, purified by affinity chromatography using a His tag, and labeled with biotin.

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, Biotinylated
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, 5% trehalose solution
Molecular weight	: Calculated: 26.7 kDa Observed: ~30 kDa
Purity	: The purity was determined to be >80% 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. 63:758-67, 2008.
2. Mueller GA, et al: Serological, genomic and structural analyses of the major mite allergen Der p 23. Clin. Exp. Allergy. 46:365-76, 2016.