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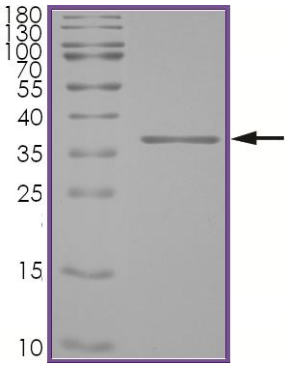
SPECIFICATION SHEET

Product Name: Phl p 5 — Catalog # PH05-A921H

Product Description: Recombinant *Phleum pratense* allergen Phl p 5 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	: Pollen allergen Phl p 5.0101, Allergen Phl p 5a, Allergen Phl p V, Phl p 5.0101
Source	: *Phleum pratense (Common timothy)*
Accession Numbers	: Genbank: X74735 UniProt: Q40960
Host	: E. coli
Formulation	: Recombinant protein stored in 1x PBS, 3% sucrose solution
Molecular weight	: Calculated: ~30.2 kDa Observed: ~36 kDa
Concentration	: 1.1 µg/µl
Purity	: The purity was determined to be >90% by densitometry
Gel Image	

References

1. Vrtala S, et al. cDNA cloning of a major allergen from timothy grass (Phleum pratense) pollen; characterization of the recombinant Phl pV allergen. J Immunol. 1993 Nov 1;151(9):4773-81. PMID: 7691956.
2. Göbl C, et al. Flexible IgE epitope-containing domains of Phl p 5 cause high allergenic activity. J Allergy Clin Immunol. 2017 Oct;140(4):1187-1191. doi: 10.1016/j.jaci.2017.05.005. Epub 2017 May 19. PMID: 28532654; PMCID: PMC5632575.