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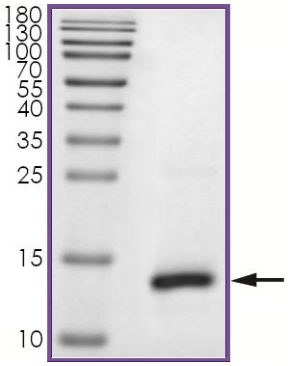
SPECIFICATION SHEET

Product Name: Hel a 2 — Catalog # HA02-A921H

Product Description: Recombinant *Helianthus annuus* allergen Hel a 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	: Profilin, Pollen allergen Hel a 2
Source	: *Helianthus annuus (Common sunflower)*
Accession Numbers	: Genbank: Y15210 UniProt: Q81982
Host	: *E. coli*
Formulation	: Recombinant protein stored in 1X PBS, 5% trehalose solution.
Molecular weight	: Calculated: ~14.6 kDa Observed ~14 kDa
Concentration	: 3.55 µg/µl
Purity	: The purity was determined to be >80% by densitometry
Gel Image	

References

1. Asturias JA, et al: Cloning and immunological characterization of the allergen Hel a 2 (profilin) from sunflower pollen. Mol Immunol. Jun;35(8):469-78, 1998.
2. Gadermaier G, et al: Allergens of weed pollen: An overview on recombinant and natural molecules, Methods, Volume 66, Issue 1, 55-66, 2014.