

SPECIFICATION SHEET

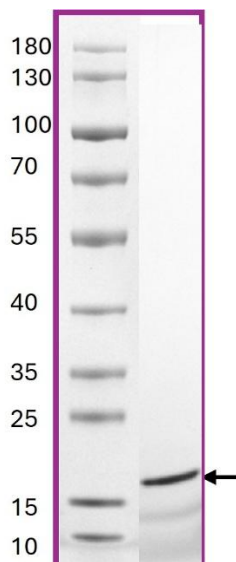
Product Name: Pyr c 4

Catalog # PC04-A32H

Product Description: Recombinant *Pyrus communis* allergen Pyr c 4 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.

Alternative Names : Pear Profilin
Source : *Pyrus communis* (Pear, Pyrus)
Accession Numbers : Genbank: [AF129424](https://www.ncbi.nlm.nih.gov/nuclot/AF129424)
 UniProt: [Q9XF38](https://www.uniprot.org/uniprot/Q9XF38)
Host : *E. coli*
Formulation : Protein stored in 1X PBS
Molecular Weight : Calculated: 15.2 kDa
 Observed: ~18 kDa
Purity : The purity was determined to be ≥ 90% by densitometry

Gel Image


References

1. Scheurer S, et al. Cross-reactivity within the profilin panallergen family investigated by comparison of recombinant profilins from pear (Pyr c 4), cherry (Pru av 4) and celery (Api g 4) with birch pollen profilin Bet v 2. *Journal of Chromatography B: Biomedical Sciences and Applications*. 2001;756(1-2):315-325.
2. Acke F, et al. Birch Pollen Related Pear Allergy: A Single-Blind Oral Challenge Trial with Two Pear Cultivars. *Foods*. 2021; 10:904.