

SPECIFICATION SHEET

Product Name: Bet v 2
Catalog # BV02-A921H

Product Description: Recombinant *Betula pendula* allergen Bet v 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-1, Allergen Bet v II, Pollen allergen Bet v 2, BETVII

Source

: *Betula pendula* (European white birch)

Accession Numbers

: GenBank: [M65179.1](#)

UniProt: [P25816](#)

Host

: *E. coli*

Formulation

: Recombinant Protein stored in 1x PBS, 5% trehalose solution

Molecular weight

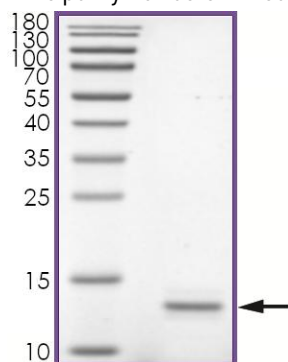
: Calculated: 14.6 kDa

Observed: ~13 kDa

Purity

: The purity was determined to be > 80% by densitometry

Gel Image



References

1. Valenta R, et al: Identification of profilin as a novel pollen allergen; IgE autoreactivity in sensitized individuals. Science. 1991 Aug 2;253(5019):557-560. doi: 10.1126/science.1857985. PMID: 1857985.
2. Fedorov AA, et al: The molecular basis for allergen cross-reactivity: crystal structure and IgE-epitope mapping of birch pollen profilin. Structure. 1997 Jan 15;5(1):33-45. doi: 10.1016/S0969-2126(97)00164-0. PMID: 9016715.