

SPECIFICATION SHEET

Product Name: Bet v 1, Biotinylated
Catalog # BV01-A921BH

Product Description: Recombinant *Betula pendula* allergen Bet v 1, Biotinylated 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

: Major pollen allergen Bet v 1-A, Allergen Bet v I-A, Bet v 1-A, BETVIA, BETVI

Source

: *Betula pendula* (European white birch)

Accession Numbers

: GenBank: [X15877.1](https://www.ncbi.nlm.nih.gov/nuclot/X15877.1)

UniProt: [P15494](https://www.uniprot.org/uniprot/P15494)

Host

: *E. coli*

Formulation

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

Molecular Weight

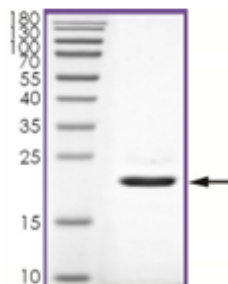
: Calculated: 20.6 kDa

Observed: ~21 kDa

Purity

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

Gel Image



References

1. Breiteneder H, et al: The gene coding for the major birch pollen allergen Bet v 1, is highly homologous to a pea disease resistance response gene. EMBO J. 1989 Jul;8(7):1935-1938. doi: 10.1002/j.1460-2075.1989.tb03597.x. PMID: 2571499. PMCID: PMC401053.
2. Elsayed S, et al: Purification and N-terminal amino acid sequence of two birch pollen isoallergens (Bet v I and Bet v II). Int Arch Allergy Appl Immunol. 1990;93(4):378-384. PMID: 2101127.