

SPECIFICATION SHEET

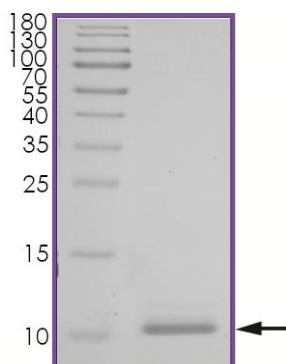
Product Name: Bet v 4
Catalog # BV04-A921BH

Product Description: Recombinant *Betula pendula* allergen Bet v 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.

Data for a Sample Lot:

Alternate Names	: Polcalcin Bet v 4, Calcium-binding pollen allergen Bet v 4
Source	: <i>Betula pendula</i> (European white birch)
Accession Numbers	: Genbank: X87153 UniProt: Q39419
Host	: <i>E. coli</i>
Formulation	: Recombinant protein stored in 1x PBS
Molecular weight	: Calculated: 10.5 kDa Observed: ~11 kDa
Purity	: The purity was determined to be >90% by densitometry
Gel Image	



References

- Engel E, et al. Immunological and biological properties of Bet v 4, a novel birch pollen allergen with two EF-hand calcium-binding domains. *J Biol Chem*. 1997 Nov 7;272(45):28630-7. doi: 10.1074/jbc.272.45.28630. PMID: 9353329.
- Twardosz A, et al. Molecular characterization, expression in *Escherichia coli*, and epitope analysis of a two EF-hand calcium-binding birch pollen allergen, Bet v 4. *Biochem Biophys Res Commun*. 1997 Oct 9;239(1):197-204. doi: 10.1006/bbrc.1997.6860. PMID: 9345295.