

Bet v 2

(*Betula verrucosa*, birch pollen allergen 2, profilin)

For research purpose only.

PRODUCT DESCRIPTION:

Access: EMBL: M65179/Swissprot: P25816

Mw = 14122.0

Dalton (according to sequence from database,
without initial Methionine)

Mol. Ext. Coeff.: 16927; 1 mg/ml $A_{278}=1.20^*$

Theoretical pI : 5.02

Lot#: 04

Amount: 1 mg

Quality: Purity approx. 99%.

General information:

BIOMAY Bet v 2 is a lyophilized, recombinant protein with IgE-binding capacity. It was produced by heterologous expression in *E. coli*, purified by affinity chromatography on poly-L-Proline-Sepharose.

Reconstitution:

If reconstituted with water or diluted buffer to a concentration of 1 mg/ml, the phosphate buffer concentration will be 1 mM. At this concentration the product is soluble to more than 99%.

Storage:

The lyophilized product can be kept at room temperature for at least 3 weeks. However, we recommend the product to be stored at -20°C. Under these conditions the quality of the material will be maintained for several years. The stability at 4°C should be at least 6 months. Reconstituted protein can be stored at -20°C.

Quality control:

Purity has been determined by SDS-PAGE and staining with Coomassie Brilliant Blue R-250.

Bet v 2 Lot# 04 tested positive in an IgE-Immunoblot with a standardized pool of human Bet v 2-reactive sera.

* The mol.ext.coeff. was calculated from the DNA-derived protein sequence as described by Gill, S.C. and by Hippel, P.H. (1989), Analytical Biochemistry **182**, 319-326.