

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.: 16800; 1 mg/ml $A_{278}=1.19^*$

Theoretical pI : 5.02

Lot#: 08

Amount: 1 mg

Purity: >98%

Reacts with IgE from Bet v 2 reactive human
serum

General information:

BIOMAY Bet v 2 is a recombinant protein with IgE-binding capacity. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized from 5mM PO₄ buffer (pH 7,4).

Reconstitution:

The material can be reconstituted with distilled water (or equivalent) or dilute buffers. Thorough agitating during dissolution is essential. Do not use salt concentrations exceeding 20 mM to dissolve the lyophilized material. Salt may be added after dissolution.

If reconstituted to 1 mg/ml the product is soluble to at least 98% and the PO₄ concentration will be 1,7 mM.

Storage:

When stored at -20°C the quality of the material will be maintained for several years. However, for short periods (max. 3 weeks) the lyophilized product may be kept at room temperature. After reconstitution store at -20°C. Avoid repeated freezing/thawing.

Quality control:

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

Bet v 2 Lot# 08 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.