

Bet v 1a

(*Betula verrucosa*, birch pollen allergen 1, Isoform a)

For research purpose only.



BIOMAY AG

Vienna Competence Center
Lazarettgasse 19 Top 1
A-1090 Wien

Tel: +43 1 7966296-0
Fax: +43 1 7966296-111
e-mail: info@biomay.com
www.biomay.com

PRODUCT DESCRIPTION:

Access: EMBL: X15877/Swissprot: P15494

Mw = 17,440 Dalton (according to sequence from database without Methionine)

Mol. Ext. Coeff.: 10430; 1 mg/ml $A_{280}=0,598^*$
pl = 5.4

Lot#: 22

Amount: 1 mg

Purity: > 98 %

Reacts with IgE from Bet v 1a reactive human serum

General information:

BIOMAY Bet v 1a is a recombinant analogue to isoform a of the main allergen from birch pollen. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized from 5 mM 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 will be soluble to at least 98% and the PO₄ concentration will be 1,3 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 on SDS-PAGE gels stained with Coomassie Brilliant Blue R-250.

Bet v 1a Lot# 22 tested positive in an IgE-Immunoblot using a standardized pool of human Bet v 1a-reactive sera.

* See: <http://www.expasy.ch/tools/protparam-doc.html>