

# *Hev b 7.1*

(*Patatin related allergen from Hevea brasiliensis*)

For research purpose only.

## PRODUCT DESCRIPTION:

**Access:**EMBL AJ223038/Swissprot: O65811

**Mw** = 42,741 Dalton (according to sequence from database without Methionine)

**Mol. Ext. Coeff.:** 28490; 1mg/ml  $A_{278}$  0,67\*

**pI** = 5.1

**Lot#:** 06

**Amount:** 1 mg

**Quality:** Purity  $\geq$  93%

**Reacts with IgE** from Hev b 7 reactive human serum

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### General Information

BIOMAY Hev b 7.1 is expressed in *E. coli* and was purified by conventional chromatography. The product was lyophilized in 5 mM  $\text{NaH}_2\text{PO}_4$ , 2 mM  $\beta$ -mercaptoethanol pH 7,4.

### Reconstitution:

The material should be reconstituted with distilled water containing 2 mM  $\beta$ -mercaptoethanol. 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 99% and the  $\text{PO}_4$  concentration will be 3,2 mM.

### Storage:

When stored at  $-20^\circ\text{C}$  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  $-20^\circ\text{C}$ . Avoid repeated freezing/thawing.

### Quality control:

Purity has been determined on SDS-PAGE gels stained with Coomassie Brilliant Blue R-250.

Hev b 7.1 Lot# 06 tested positive in an IgE-Immunoblot using a standardized pool of human Hev b 7-reactive sera.

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\* 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