

Please, note that for reasons of shortness only the allergenic content is stated on the product label.

V.1 (< 050617 >)



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# Hev b 11-MBP

(43 N-terminal AA of *Hevea brasiliensis* (Latex) allergen 11,  
Fusion to Maltose binding protein)

For research purpose only.

## PRODUCT DESCRIPTION:

**Access:** EMBL: AJ238579/Swissprot: Q949H3

**MW** = 47078 Dalton

**Mol. Ext. Coeff<sub>278</sub>:** 75,216; 1mg/ml A<sub>276</sub>=1.60\*

**pI** = 4.86

**Lot#:** 04

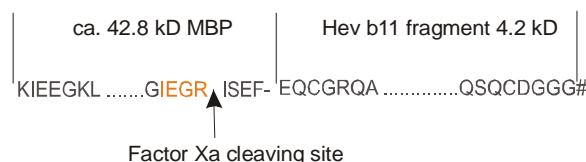
**Amount:** 1 mg

**Purity:** > 98%

**Reacts with IgE** from Hev b 11 reactive human serum

### General information:

BIOMAY Hev b 11-MBP is a recombinant fusion protein consisting of Maltose binding protein (MBP) and the 43 N-terminal AA of Hev b 11 fused to the C-terminal end of MBP.



The construct contains a factor Xa cleaving site that allows the isolation of the Hev b 11 fragment. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized from 5 mM NH<sub>3</sub>HCO<sub>3</sub> (volatile).

### Reconstitution:

The material should be reconstituted with distilled water (or equivalent) or dilute buffers. Do not use

salt concentrations exceeding 20 mM to dissolve the lyophilized material. Salt may be added after dissolution. Gentle agitation during dissolution is essential, afterwards incubate for 30 min to allow a complete reconstitution of the protein. If reconstituted to 1 mg/ml the product will be soluble to at least 98%.

### 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.

Hev b 11-Mal tested positive in an IgE-Immunoblot using a standardized pool of human Hev b 11-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.