

Hev b 6.02-MBP

(Hevein domain of Allergen 6 from *Hevea brasiliensis* (Latex),
Fusion to Maltose binding protein)

For research purpose only.



BIOMAY AG

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PRODUCT DESCRIPTION:

Access:EMBL M36986/Swissprot: P02877

Mw = 47536 Dalton

Mol. Ext. Coeff.: 79340; 1mg/ml $A_{280} = 1.67^*$

pI = 5.02

Lot#: 01a

Amount: 250 μ g

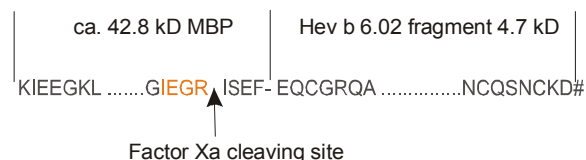
Quality: Purity \geq 97%

Endotoxin content: 0,005EU/ μ g

Reacts with IgE from Hev b 6 reactive human serum

General Information

BIOMAY Hev b 6.02-MBP is a recombinant fusion protein consisting of Maltose binding protein (MBP) and the Hevein domain of Hev b 6 (43 AA) 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 phosphate buffer pH 7,4

Reconstitution:

The material should be reconstituted with distilled water (or equivalent) or dilute buffers containing 2 mM β -Mercaptoethanol. 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% and the PO_4 concentration will be 1,1 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. Endotoxin content was determined by using a Limulus Amebocyte Lysate (LAL) assay.

Hev b 6.02-MBP 01a tested positive in an IgE-Immunoblot using a standardized pool of human Hev b 6.02-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.

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

V.5 (100125>)

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PRODUCT DESCRIPTION:

Access:EMBL M36986/Swissprot: P02877

Mw = 47536 Dalton

Mol. Ext. Coeff.: 79340; 1mg/ml A_{280} = 1.669

pI = 5.02

Lot#: 01

Amount: 1 mg

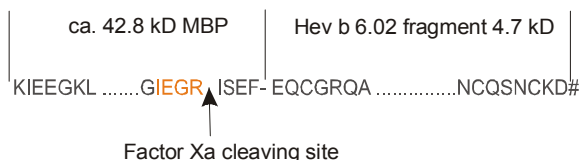
Quality: Purity \geq 97%

Endotoxin content: 0,002EU/ μ g

Reacts with IgE from Hev b 6.02 reactive
human serum

General Information

BIOMAY Hev b 6.02-MBP is a recombinant fusion protein consisting of Maltose binding protein (MBP) and the Hevein domain of Hev b 6 (43 AA) fused to the C-terminal end of MBP.



The construct contains a factor Xa cleaving site that allows the isolation of the Hev b 6.02 fragment. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized from 5 mM NH_3HCO_3 (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%.

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