

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

V.2 (100121>)

Hev b 3 - His

(Allergen 3 from *Hevea brasiliensis*, His--tagged)

For research purpose only.



BIOMAY AG

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PRODUCT DESCRIPTION:

Access: EMBL: AF051317/Swissprot: O82803

Mw = 23,743 Dalton

Mol. Ext. Coeff 24870; 1mg/ml $A_{280}=1.047^*$

pI = 5.68

Lot#: 02a

Amount: 250 µg

Quality: Purity > 98%

Endotoxin content: 0,056EU/µg

Reacts with IgE from Hev b 3 reactive human serum.

General Information:

BIOMAY Hev b 3 is expressed in *E. coli* as a His-tagged protein. The protein was purified by affinity chromatography and ion exchange chromatography. The product was lyophilized from phosphate buffer, pH 7,4 containing sucrose.

Reconstitution:

The material can be reconstituted with water or diluted buffers. Thorough physical suspension of the protein is essential. If reconstituted with water or buffers (2 mM β-Mercaptoethanol) to 1 mg/ml the product is soluble to app. 99%, sucrose concentration will be app. 0.3% and the phosphate concentration will be 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:

By SDS-PAGE and staining with Coomassie-blue R-250. Endotoxin content was determined by using a Limulus Amebocyte Lysate (LAL) assay. Immunological properties were controlled by SDS-PAGE\Western-blotting with *Hev b 3*- specific human IgE and monoclonal antibodies, that were raised against *Hev b 3*.

* 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.

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V.5 (100121>)



Hev b 3 – His (Hev b 3.0101)

(Allergen 3 from Hevea brasiliensis, His--tagged)

For research purpose only.

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PRODUCT DESCRIPTION:

Access: EMBL: AF051317/Swissprot: O82803

Mw = 23,743 Dalton

Mol. Ext. Coeff 24870; 1mg/ml $A_{280}=1.047$

pI = 5.68

Lot#: 02

Amount: 1 mg

Quality: Purity better than 98%

Endotoxin content: 0,020 EU/ μ g

Reacts with IgE from *Hev b 3* reactive human serum

General Information:

BIOMAY Hev b 3 is expressed in *E. coli* as a His-tagged protein. The protein was purified by affinity chromatography and ion exchange chromatography. The product was lyophilized in 5 mM NH_4HCO_3 (volatile) containing 1% sucrose – none buffer.

Reconstitution:

The material can be reconstituted with water or diluted buffers. If reconstituted with water or buffers (2 mM β -Mercaptoethanol) to 2 mg/ml sucrose concentration will be app. 0.6%.

If reconstituted with water or buffers (2 mM β -Mercaptoethanol) to 2 mg/ml, the product is soluble to app. 99%. Thorough physical suspension of the protein is essential. Alternatively the product can be dissolved in 6M Urea, 1mM β -Mercaptoethanol. The urea solution can be dialyzed against a suitable buffer (20 mM Tris/HCl pH 8.0 1mM β -Mercaptoethanol) without precipitation of protein.

Storage:

The lyophilized product can be kept at room temperature for at least 2 weeks. However, we recommend the product to be stored at -20°C . Under these conditions the quality of the material will be maintained for several years. The stability at 4°C should at least be 6 months. Reconstituted protein can be stored at -20°C .

Quality control:

By SDS-PAGE and staining with Coomassie-blue R250. Endotoxin content was determined by using a Limulus Amebocyte Lysate (LAL) assay. (Immunological properties were controlled by SDS-PAGE\Western-blotting with *Hev b 3*- specific human IgE and monoclonal antibodies, that were raised against *Hev b 3* .)

* 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.