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

V.2 (100125>)

BIOMAY AG
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Hev b 9.1 –His

(Allergen 9 Isoform 1, Enolase from Hevea brasiliensis, His-tagged)

For research purpose only.

PRODUCT DESCRIPTION:

Access: EMBL: AJ132580/Swissprot: Q9LEJO
M_W = 47,830 Dalton
Mol. Ext. Coeff.: 44,600; 1mg/ml A_{280} = 0.93*
pI = 5.57

Lot#: 01b
Amount: 250 µg
Quality: Purity > 95%
Endotoxin content: 0,006 EU/µg
Reacts with IgE from Hev b 9 reactive human serum**.**

General Information:

BIOMAY Hev b 9.1- His is expressed in *E. coli* as a His-tagged protein. The protein was purified by Ni^{2+} afinity 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 (2 mM β-Mercaptoethanol). If reconstituted to 1 mg/ml the product is soluble to app. 98%, sucrose concentration will be app. 0.3% and phosphate concentration will be 1.3 mM. Thorough physical suspension of the protein is essential

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-Brilliant 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 9- specific human IgE.

* 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 (10121>)

Hev b 9.1 –His (Hev b 9.0101)

(Allergen 9 Isoform 1, Enolase from Hevea brasiliensis, His-tagged)

For research purpose only.

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PRODUCT DESCRIPTION:

Access: EMBL: AJ132580/Swissprot: Q9LEJO

M_W = 47,830 Dalton

Mol. Ext. Coeff.: 44,600; 1mg/ml A_{280}=0.932*

pI = 5.6

Lot#: 01

Amount: 1 mg

Quality: Purity better than 98%

Endotoxin content: 0,002 EU/µg

Reacts with IgE from Hev b 9 reactive human serum

General Information:

BIOMAY Hev b 9.1- His is expressed in *E. coli* as a His-tagged protein. The protein was purified by Ni^{2+} afinity chromatography and ion exchange chromatography. The product was lyophilized in 5 mM NH_4HCO_3 (volatile) containing 1% sucrose.

Reconstitution:

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

If reconstituted with water or buffers (2mM ß-Mercaptoethanol) to 2 mg/ml, the product is soluble to app. 99%. Thorough physical suspension of the protein is essential. Alternativly the product can be dissolved in 6M Urea, 1mM ß-Mercaptoethanol. The urea solution can be dialyzed against a suitable buffer (20 mM Tris/HCl pH 8.0 1mM ß-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 9- specific human IgE)

* 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.