BIOMAY AG
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Hev b 10 –His

(Allergen 10, Superoxiddismutase from Hevea brasiliensis, His-tagged)

For research purpose only.

PRODUCT DESCRIPTION:

Access: EMBL: AJ249148/Swissprot: Q9STB5

Mw = 21,835 Dalton

Mol. Ext. Coeff.: 50420; 1mg/ml A_{280}= 2.31

pI = 7.9

Lot#: 01a

Amount: 250 µg

Quality: Purity better than 98%

Endotoxin content: 0,125EU/µg

Reacts with IgE from Hev b 10 reactive human serum.

General Information:

BIOMAY Hev b 10-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 **1 mM acetic acid**, 2mM β-Mercaptoethanol containing sucrose.

Reconstitution:

The material can be reconstituted with water or a **weak acidic buffer or solution** (e.g. 1 mM acetic acid). Thorough agitation during dissolution is essential.

If reconstituted to 1 mg/ml the product is soluble to app. 99% and sucrose concentration will be app. 0.3%.

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 10- 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.

V5. (100121>)

Hev b 10 –His (Hev b 10.0102)

(Allergen 10, Superoxiddismutase from Hevea brasiliensis, His-tagged)

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PRODUCT DESCRIPTION:

Access: EMBL: AJ249148/Swissprot: Q9STB5
Mw = 21,835 Dalton
Mol. Ext. Coeff.: 50420; 1mg/ml A_{280}= 2.31
pI = 7.9

Lot#: 01
Amount: 1 mg
Quality: Purity better than 98%
Endotoxin content: 0,125 EU/µg
Reacts with IgE from Hev b 10 reactive human serum.

General Information:

BIOMAY Hev b 10-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 0.1% acetic acid containing 1% sucrose.

Reconstitution:

The material can be reconstituted with water or a **weak acidic buffer or solution** (e.g 1 mM acetic acid). If reconstituted with water or buffers to 1 mg/ml the product is soluble to app. 99% and sucrose concentration will be app. 0.3%.
Thorough physical suspension of the protein is essential.

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 10- 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.