

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

V.2 (<051029>)



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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.:** 50400; 1mg/ml  $A_{278} = 2.31$

**pI** = 7.9

**Lot#:** 01

**Amount:** 1 mg

**Quality:** Purity better than 98%

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### General Information:

BIOMAY Hev b 10-His is expressed in *E. coli* as a His-tagged protein. The protein was purified by Ni<sup>2+</sup> affinity 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 diluted buffers. If reconstituted with water or buffers (2mM  $\beta$ -Mercaptoethanol) to 2 mg/ml sucrose concentration will be app. 0.6%.

If reconstituted with water or buffers (2mM  $\beta$ -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  $\beta$ -Mercaptoethanol. The urea solution can be dialyzed against a suitable buffer (20 mM Tris/HCl pH 8.0 1mM  $\beta$ -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. (Immunological properties were controlled by SDS-PAGE\Western-blotting with Hev b 10-specific human IgE)

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\* 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.