

Hev b 8

(*Profilin from Hevea brasiliensis*)

For research purpose only.

PRODUCT DESCRIPTION:

Access: EMBL: 243325/Swissprot: Q9LEI8

Mw = 13,904 Dalton

Mol. Ext. Coeff.: 16,927; 1mg/ml $A_{278}=1.22^*$

pI = 4.97

Lot#: 01

Amount: 1 mg

Quality: Purity better than 99%

General Information:

BIOMAY Hev b 8 is expressed in *E. coli*. and was purified by conventional biochemical methods. The product was lyophilized in 5 mM PO₄ buffer. (The product binds specific human IgE.)

Reconstitution:

The material can be reconstituted with water or diluted buffers. If reconstituted with water or buffers (2mM β-Mercaptoethanol) to 2 mg/ml PO₄ concentration will be app. 2 mM.

If reconstituted with water or buffers (2mM 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. (Immunological properties were controlled by SDS-PAGE\Western-blotting with heV b 8-specific human IgE and monoclonal antibodies, that were raised against *Hev b 8*.)

* The mol ect.coeff. was calculated from the DNA-derived protein sequence as described by Gill, S.C. and by Hip-pel, P.H. (1989) Analytical Biochemistry **182**, 319-326.