

Product Data Sheet

Recombinant purified Hev b 6-MBP Allergen (Hevein domain of Allergen 6 from *Hevea brasiliensis* (Latex), Fusion to Maltose binding protein)

Cat# HEVB65-R-100

Size: 100 ug

Protein name Pro-hevein [Precursor]
Synonym Major hevein

Description

Hev b 6.02-MBP is a recombinant fusion protein consisting of Maltose binding protein (MBP) and the Hevein domain of Hev b 6 (43 AA) fused to the C-terminal end of MBP. The construct contains a factor Xa cleaving site that allows the isolation of the Hev b 11 fragment. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized from 5 mM NH₃HCO₃ (volatile).

Protein accession# M36986/Swissprot: P02877

MW: ~47,536 Dalton

Purity: > 97%

Concn: 1 mg/ml (lot sp concn specified on the vial)

Quality control:

Purity has been determined on SDS-PAGE gels stained with Coomassie Brilliant Blue R-250. Hev b 6.02-MBP tested positive in an IgE-Immunoblot using a standardized pool of human Hev b 6.02-reactive sera.

Form and 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.

Suggested Uses / Reconstitution

The material should be reconstituted with distilled water (or equivalent) or dilute buffers. Do not use salt concentrations exceeding 20 mM to dissolve the lyophilized material. Salt may be added after dissolution. Gentle agitation during dissolution is essential, afterwards incubate for 30 min to allow a complete reconstitution of the protein. If reconstituted to 1 mg/ml the product will be soluble to at least 98%.

Country of Origin: USA

MSDS:

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, diagnostic, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.

References: Broekaert W.F. (1990) Proc. Natl. Acad. Sci. U.S.A. 87:7633-7637(1990); Walujono K. (1975) (In) Proceedings of the international rubber conference, pp.2:518-531, Rubber Research Institute of Malaysia, Kuala Lumpur (1975); Beintema J.J. (1977) Submitted (JUN-1977) to the PIR data bank; Lee H-I (1991) J. Biol. Chem. 266:15944-15948(1991); Chen H-D (1998) J. Biomed. Sci. 5:421-427(1998); Rodriguez-Romero (1991) FEBS Lett. 291:307-309(1991);

This product is for in vitro research use only.
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