

Product Data Sheet

Recombinant purified Hev b 3-His Allergen (Allergen 3 from Hevea brasiliensis, His-tagged)

Cat# HEVB35-R-100

Size: 100 ug

Protein name Small rubber particle protein;
Synonyms SRPP; 22 kDa rubber particle protein; 22 kDa RPP; Latex allergen Hev b 3; 27 kDa natural rubber allergen

Description

Hev b 3 is expressed in E. coli as a His-tagged protein. The protein was purified by affinity chromatography and ion exchange chromatography. The product was lyophilized in 5 mM NH₄HCO₃ (volatile) containing 1% sucrose -none buffer.

Protein accession# EMBL: AF051317/Swissprot: O82803

MW: ~22,743 Dalton

Purity: > 98%

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

Quality control:

By SDS-PAGE and staining with Coomassie-blue R250. (Immunological properties were controlled by SDS-PAGE Western-blotting with Hev b 3-specific human IgE and monoclonal antibodies, that were raised against Hev b 3.)

Form and 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.

Suggested Uses / Reconstitution

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

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: Oh S. K. (1999) J. Biol. Chem. 274:17132-17138(1999); Wagner B. (1999) J. Allergy Clin. Immunol. 104:1084-1092(1999); Alenius H. (1995) Int. Arch. Allergy Immunol. 106:258-262(1995); Lu L-J (1995) J. Immunol. 155:2721-2728(1995); Yeang H.Y. (1998) Allergy 53:513-519(1998); Banerjee B. (2000) Mol. Immunol. 37:789-798(2000).

This product is for in vitro research use only.
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