

# *Api g 1*

(*Apium graveolens*, celery allergen 1)

For research purpose only.

## PRODUCT DESCRIPTION:

**Access:** EMBL Z48967/Swissprot: P49372

**Mw** = 16,321 Dalton (according to sequence from database without Methionine)

**Mol.Ext.Coeff.:** 5,800; 1mg/ml  $A_{276}=0.36^*$

**pI** : 4.36

**Lot#:** 02

**Amount:** 1 mg

**Quality:** Purity approx. 99%.

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### General information:

BIOMAY Api g 1 is a lyophilized, recombinant protein with IgE-binding capacity. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods.

### Reconstitution:

If reconstituted with water (1ml) to a concentration of 1mg/ml, the PO<sub>4</sub> buffer concentration will be 1 mM (pH=7.4). Addition of 1-2 mM β-Mercaptoethanole is recommended.

If reconstituted to 2 mg/ml, the product is soluble to more than 95%.

### 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:

Purity has been determined by SDS-PAGE and staining with Coomassie Brilliant Blue R-250.

Api g 1 Lot# 02 tested positive in an IgE-Immunoblot with a standardized pool of human Api g 1-reactive sera.

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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.