

# *Cor a 1*

*(Coryllus avellana, hazel pollen allergen 1)*

For research purpose only.

## PRODUCT DESCRIPTION:

**Access:** EMBL: X70997/Swissprot: Q08407

**Mw** = 17,357 Dalton (according to sequence from database without Methionine)

**Mol. Ext. Coeff.:** 11,600; 1 mg/ml  $A_{276}=0.67^*$

**pI** = 5.4

**Lot#:** 01

**Amount:** 1 mg

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

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### General information:

BIOMAY Cor a 1 is a recombinant protein from *E. coli* with IgE-binding capacity, purified by conventional biochemical methods. Lyophilized in diluted phosphate buffer (pH 7.5).

### Reconstitution:

If reconstituted with water or diluted buffer to a concentration of 1 mg/ml, the phosphate buffer will be 2.5 mM. At this concentration the product is soluble to more than 98%.

### Storage:

The lyophilized product can be kept at room temperature for at least 3 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 be at least 6 months. Reconstituted protein can be stored at -20°C.

### Quality control:

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

Cor a 1 Lot# 01 tested positive in an IgE-Immunoblot with a standardized pool of human Cor a 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.