

# *Phl p 6*

(*Phleum pratense*, timothy grass pollen allergen 6)

The leader sequence of the protein is replaced by a methionine

For research purpose only.

## PRODUCT DESCRIPTION:

**Access:** EMBL Z27082 /Swissprot P 43215

**Mw** = 11,790 Dalton

**Mol. Ext. Coeff.:** 5,800; 1 mg/ml  $A_{276} = 0.49^*$

**pI** = 5,56

**Lot#:** 02

**Amount:** 1 mg

**Quality:** Purity  $\geq 98\%$

**Reacts with IgE** from Phl p 6 reactive human serum.

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### General information:

BIOMAY Phl p 6 is a recombinant protein with IgE-binding capacity. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized from sodium phosphate buffer (pH 7.4)

### 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% and the concentration of sodium phosphate will be 3 mM.

### Storage:

When stored at  $-20^{\circ}\text{C}$  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  $-20^{\circ}\text{C}$ . Avoid repeated freezing/thawing.

### Quality control:

Purity has been determined on SDS-PAGE gels stained with Coomassie Brilliant Blue R-250. Phl p 6 Lot# 02 tested positive in an IgE-Immunoblot with a standardized pool of human Phl p 6-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.