

Phl p 2

(Phleum pratense, timothy grass pollen allergen 2)

For research purpose only.

PRODUCT DESCRIPTION:

Access: EMBL: X75925/Swissprot: P43214

Mw = 10,840 (signal peptide removed and substituted by a Methionine)

Mol. Ext. Coeff.: 14,010; 1 mg/ml $A_{279} = 1.29^*$

pI = 4.5

Lot#: 04

Amount: 1 mg

Purity: $\geq 98\%$

Reacts with IgE from Phl p 2 reactive human serum

General information:

BIOMAY Phl p 2 is a lyophilized, recombinant protein with IgE-binding capacity. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods and lyophilized from 5 mM PO_4 buffer, pH 7.4

Reconstitution:

The material can be reconstituted with distilled water (or equivalent) or dilute buffers. Thorough agitating during dissolution is essential. Do not use salt concentrations exceeding 20 mM to dissolve the lyophilized material. Salt may be added after dissolution.

If reconstituted to 1 mg/mL the product will be soluble to at least 99% and the PO_4 concentration will be 1.4 mM.

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.

Phl p 2 Lot# 04 tested positive in an IgE-Immunoblot with a standardized pool of human Phl p 2-reactive sera.

* 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.