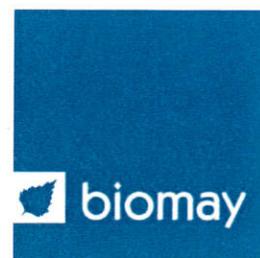


Phl p 7 (Phl p 7.0101)

(*Phleum pratense*, timothy grass pollen allergen 7)



For research purpose only.

BIOMAY AG
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A-1090 Wien

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PRODUCT DESCRIPTION:

Access: Swissprot: O82040

Mw = 8,794 Dalton

Mol. Ext. Coeff.: 0; 1 mg/ml A_{280} = 0.00*

pI = 4.19

Lot#: 02a

Amount: 250 µg

Quality: Purity > 95 %

Endotoxin content: 0.013 EU/µg

Reacts with IgE from Phl p 7 reactive human serum

General information:

BIOMAY Phl p 7 is a recombinant protein produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized from 5 mM PO₄ buffer, pH 7.4. **Due to the very low value of molecular extinction coefficient, the protein concentration was measured by the method of amino acid analysis.**

Reconstitution:

The material can be reconstituted with distilled water (or equivalent) or dilute buffers. In order to avoid dimerization of the protein via the single free cysteine, the addition of a thiol-reagent (e.g. 1 mM β-mercaptoethanol) is advisable. 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 98% and the PO₄ concentration will be 2 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:

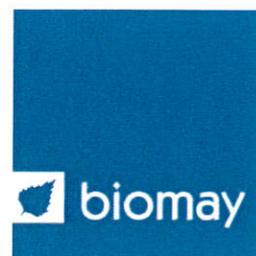
Purity has been determined on SDS-PAGE gels stained with Coomassie Brilliant Blue R-250. Endotoxin content was determined by using a Limulus Amebocyte Lysate (LAL) assay. Phl p 7 Lot# 2 tested positive in an IgE-Immunoblot using a standardized pool of human Phl p 7-reactive sera.

Note: in SDS-PAGE according to the Laemmli-system the protein runs together with bromophenol blue dye.

*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.

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pI = 4.19

Lot#: 02

Amount: 1 mg

Quality: Purity > 95 %

Endotoxin content: 0.013 EU/ μ g

Reacts with IgE from Phl p 7 reactive human serum

General information:

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