



Product Data Sheet

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**Recombinant purified Phl p2 Allergen** (Phleum pratense, timothy grass pollen allergen 2)

**Cat#** PHLP25-R-100

**Size:** 100 ug

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Protein name Pollen allergen Phl p 2 [Precursor]  
Synonym Phl p II

**Description**

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<sub>4</sub> buffer, pH 7.4

**Protein accession#** EMBL: X75925/Swissprot: P43214

**MW:** ~10,840 Dalton

**Purity:** > 98%

**Concn:** 1 mg/ml (lot sp concn specified on the vial)

**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.

**Form and 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.

**Suggested Uses / 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<sub>4</sub> concentration will be 1.4 mM.

**Country of Origin:** USA

**MSDS:**

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, diagnostic, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.

**References:** Dolecek C. (1993) FEBS Lett. 335:299-304(1993); Federov A.A. (1997) Int. Arch. Allergy Immunol. 113:109-113(1997); De Marino S. (1999) Structure 7:943-952(1999).

*This product is for in vitro research use only.  
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