Product Data Sheet

Recombinant purified Phl p1 Allergen (Phleum pretense, timothy grass pollen allergen 1)

Cat# PHLP15-R-100 **Size:** 100 ug

Protein name Pollen allergen Phl p 1 [Precursor]
Synonym Phl p I

Description

Phl p 1 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 phosphate buffer (pH 7.5)

Protein accession# EMBL: X78813/Swissprot: P43213

MW: ~26,157 Dalton

Purity: > 93%

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

Quality control:

Purity has been determined on SDS-PAGE gels stained with Coomassie Brilliant Blue R-250. Phl p 1 Lot# 06 tested positive in an IgE-Immunoblot with a standardized pool of human Phl p 1-reactive sera.

Form and Storage

When stored at -20℃ 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℃. Avoid repeated freezing/thawing

Suggested Uses / Reconstitution

To achieve satisfactory solubilization of at least 95% we strongly recommend to use the following procedure: Suspend the protein to a concentration of 1 mg/ml with distilled water (or equivalent) containing 1-2 mM β-mercaptoethanol and support physical suspension by either vortexing or working the suspension through a fine-bore pipet tip. Then incubate the suspension for 2 - 20 h at 4℃ with gentle agitation to allow a complete reconstitution of the protein. If reconstituted to 1 mg/ml the concentration of PO4 will be 2 mM. Please, note that the solubility of the protein is strongly reduced in solvents with salt concentration above 20 mM. Salt may be added after reconstitution.

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: Laffer S. (1994) J. Allergy Clin. Immunol. 94:689-698(1994); Fedorov A.A. (1997) Int. Arch. Allergy Immunol. 113:109-113(1997).

This product is for in vitro research use only.
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