



Product Data Sheet

Recombinant purified Phl p5 Allergen (Phleum pratense, timothy grass pollen allergen 5)

Cat# PHLP55-R-100

Size: 100 ug

Protein name Phlp5 [Precursor]

Description

Phl p 5 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 sodium phosphate buffer (pH 7.4)

Protein accession# X74735/Swissprot: Q40960

MW: ~28,585 Dalton

Purity: > 99%

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 5 Lot# 04 tested positive in an IgE-Immunoblot with a standardized pool of human Phl p 5-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 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 with distilled water to a concentration of 1 mg/ml, the phosphate concentration will be 4 mM. At this concentration, the product is soluble to more than 99%.

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: Vrtala S. (1993) J. Immunol. 151:4773-4781(1993); Petersen A. (1993) Biol. Chem. Hoppe-Seyler 374:855-861(1993).

*This product is for in vitro research use only.
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