Recombinant allergen Phl p 12 for Phleum pratense (Timothy grass pollen)

Cat. No. IVP-022 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Phl p 12 is an allergen of grass pollen (Phleum pratense), belonging to the family of profilins. It has been prepared as a recombinant allergen fused to a his-tag.
Source	E.coli
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 25, 000 and 18, 400 Da, while relative molecular mass calculated from amino acid sequence is 20, 586.2 Da.
Purity	>98% in a SDS-PAGE
Incidence	The tested incidence of the protein is 36%, in front of 20% according to the bibliography.
IVD	Serodiagnosis of allergy to Timothy grass pollen
Stability	The protein will remain stable for four years if stored frozen.
Observation	Proteins should be maintained frozen at high concentrations. In order to defrost the protein, maintain the aliquot at 25°C without shaking to avoid aggregation. Prior making test dilutions and after defrosting the protein, is recommended to remove possible protein aggregates by centrifuging the stock solution, avoiding alterations in the immobilization of the biomolecule to the solid surface.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Protein is shipped with dry ice. Upon arrival, it should be aliquoted in order to avoid repeated freezing and thawing cycles and stored at -20°C to -80°C.
Concentration	1.06mg/ml
Notes	During shipment, small olumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 ul or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the containers cap. Although recombinant antigens are expressed in non-pathogenic P.pastori and bacterial integrity is destroyed during purificaton, the antigen preparation should be handled as potentially infectious.
Type	Recombinant
ClassID 1	Profilin

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