CREATIVE BIOMART®
Diagnostic Proteins

Recombinant allergen Der f 2 for Dermatophagoides farinae (American house dust mite)

Product Information

Cat#
IVP-006
Product Name
Recombinant allergen Der f 2 for Dermatophagoides farinae (American house dust mite)
Description
Der f 2 is one of the major allergens of the American house dust mite. This allergen is of the NPC2 family and it has been produced as a recombinant mature protein fused to a his-tag.
Type
Recombinant
Gene
Der f 2
Species
American house dust mite
Source
Pichia pastoris
Molecular Weight
Determined by SDS-PAGE, the protein appears at the molecular marker of 18, 400 Da, while relative molecular mass calculated from amino acid sequence is 17.805, 20 Da.
Incidence
The tested incidence of the protein is 72%, in front of 78% according to the bibliography.
IVD
Serodiagnosis of allergy to American house dust mite
Concentration

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1.09mg/ml

Stability

The protein will remain stable for four years if stored frozen.

Purity

>95% in a SDS-PAGE

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.

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.

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.

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