

Recombinant allergen Gal d 1 for Gallus domesticus (Chicken egg)

Cat. No. IVP-030 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Gal d 1 corresponds to the ovomucoid of the Gallus domesticus (Chicken). It is the major glycoprotein proteinase inhibitor from avian egg white such as chicken, turkey, and golden pheasant. This allergen constitutes 11% of the total protein content of egg white, and it has been found in hard- and soft-boiled egg white in immunologically recognizable form. It has a pI of 4.0 and is a trypsin inhibitor. Epitopes are dependent on either the tertiary structure of the protein (conformational epitope) and the plain protein surface (linear epitope). It contains three different domains. It seems that the major epitopes on each domain primarily have a linear structure, and the IgG and IgE binding activities are more dominant to the third domain.

Source

P.pastoris

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 the amino acid sequence is 23,687.2 Da.

Purity

>95% in a SDS-PAGE

IVD

Serodiagnosis of allergy to Chicken egg

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

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	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.
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	1.53mg/ml
Notes	During shipment, small volumes 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 purification, the antigen preparation should be handled as potentially infectious.
Type	Recombinant