

Recombinant allergen Bet v 1 for Betula verrucosa (European white birch)

Cat. No. IVP-009 Lot. No. (See product label)

SPECIFICATION

Product Overview	Bet v 1 is the most abundant white birch pollen protein (Betula verrucosa). It is a protein belonging to the PR-10 family (proteins related to pathogenicity) and it has been prepared as the recombinant mature protein fused to a his-tag.
Source	E.coli
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 35, 000 and 25, 000 Da, while relative molecular mass calculated from amino acid sequence is 24, 262.07 Da.
Purity	>95% in a SDS-PAGE
Incidence	Not tested. According to the bibliography, the incidence of the protein is 95%
IVD	Serodiagnosis of allergy to European white birch
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.

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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	1.09mg/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	Pathogenesis-related protein (PR-10)

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