

Bet v 6.0102

Allergen Specification

Product Number: 52200

Description:

Betula verrucosa (Betula pendula) Bet v 6.0102. Recombinant allergen for research use or manufacturing only.

Immunological function:

Binds IgE-type human antibodies.

Origin:

Recombinant. Expressed in *E. coli* bacterial cells.

Expression construct:

Full-length cDNA coding for Bet v 6.0102 fused to a deca-histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80%); Western blot with patient sample.

Calculated molecular weight:

35,633 Dalton

Calculated isoelectric point:

pH 7.1

Molar extinction coefficient:

23380; A_{280} (1 mg/mL) = 0.656

Endotoxin content:

Tested by LAL (Limulus Amoebocyte Lysate) chromogenic endotoxin assay.

Immunological tests/Functionality:

Immunodot analyses with positive/negative samples.

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH and 20% glycerol as cryoprotective agent.

Storage conditions: -70°C or below.

Repeated freeze/thaw cycles should be avoided.

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