

Gly m 5.0101

Allergen Specification

Product Number: 50600

Description:

Glycine max (Glycine hispida) Gly m 5.0101, also known as α -chain of β -conglycinin.
Recombinant allergen for in vitro research and manufacturing use only.

Immunological function:

Binds IgE-type human antibodies.

Origin:

Recombinant. Expressed by recombinant baculovirus (*Autographa californica* multiple nuclear polyhedrosis virus; AcMNPV) infection of *Spodoptera frugiperda* Sf9 insect cells.

Expression construct:

Full-length cDNA coding for Gly m 5.0101 fused to a deca-histidine purification tag.

Biochemical tests:

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

Calculated molecular weight:

71 kDa

Calculated isoelectric point:

pH 5.28

Molar extinction coefficient:

35090; A_{280} (1 mg/mL) = 0.497

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 6 M urea. Storage conditions: -70°C or below.

Repeated freeze/thaw cycles should be avoided.

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