

Fra e 1.0101

Allergen Specification

Product Number: 50900

Description:

Fraxinus excelsior Fra e 1.0101.
Recombinant allergen for research use
or manufacturing 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 Fra e
1.0101 fused to a deca-histidine
purification tag.

Biochemical tests:

SDS-PAGE (purity > 80%); Western
blot with human sera.

Calculated molecular weight:

17,794 Dalton

Calculated isoelectric point:

pH 6.91

Molar extinction coefficient:

14815; A₂₈₀ (1 mg/ml) = 0.833

Endotoxin content:

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

Immunological tests/Functionality:

Immunodot test with positive/negative
sera panels.

**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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