

Ara h 1.0101

Allergen Specification

Product Number: 52500

Description:

Arachis hypogaea Ara h 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 Ara h
1.0101 fused to a deca-histidine
purification tag.

Biochemical tests:

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

Calculated molecular weight:

63,484 Dalton

Calculated isoelectric point:

pH 6.40

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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