

Cor a 1.0103

Allergen Specification

Product Number: 51100

Description:

Corylus avellana Cor a 1.0103.
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:

Fusion protein construct containing full-
length cDNA coding for Cor a 1.0103.
The allergen is released from the
fusion partner by controlled proteolytic
separation.

Biochemical tests:

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

Calculated molecular weight:

17,470 Dalton

Calculated isoelectric point:

pH 5.43

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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