

Amb a 1

Catalog No: AA01-A921H

Ragweed allergen Amb a 1 also biochemically known as pectate lyase is a major allergen and one of the most prevalent antigens to trigger weed pollen allergies. There are multiple isoforms of this allergen found in nature and exposure through the airway route triggers strong T-cell response and reactivity in allergic individuals. Amb a 1 has been investigated for its role as a hypoallergen and exhibits strong IgE binding, T-cell reactivity, and immunogenicity.

Product Features



Full Length
recombinant protein



Source
Ambrosia artemisiifolia



Expression system
Tobacco plant



Tag
C terminal His-tag

Technical Features



Purity
Approx. 90%
using densitometry



Purification using affinity
chromatography



Molecular weight
Approx. 20 kDa



Aliases
Antigen Amb a I, Ag E,
Pollen allergen Amb a 1.1

Applications



R&D of novel Immuno-
globulin ELISA kits



Recombinant
Antibody Production



R&D of allergy
therapies, formula-
tions and vaccines



Allergy research and
diagnostic research



R&D of novel
Diagnostic tests