

Product Features



Full Length
recombinant protein



Source
Dermatophagoides farinae



Expression system
E.coli



Tag
C terminal His-tag

Der p 2

Catalog No: DP02-A941H

Der p 2 is a major allergen from the House dust mites (*Dermatophagoides*) predominantly present in the fecal particles excreted by the mites. The main route of exposure to this allergen is through inhalation and causes IgE mediated allergic responses in over 80% of the dust mite allergic individual. The IgE specific to Der p 2 is found to be highly predictive of house dust mite allergen-induced immediate asthmatic response. A range of isoallergens of the Der p 2 family exists in nature with a strong cross-reactivity potential and can create complications of the respiratory tracts by triggering inflammatory cytokine response.

Technical Features



Purity
Approx. 90%
using densitometry



Purification using affinity
chromatography



Molecular weight
Approx. 15 kDa



Aliases
Mite group 2 allergen Der
p 2, Allergen Der p II, DPX

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