

Phl p 1

a_phlp1.pdf

Characteristics of the component

Allergenicity

Origin (Linnean)

Phleum pratense

Origin (English)

Phleum

Link to the web

<http://www.allergenius.it/doc/phleum.pdf>

Family

Expansin

MW 27K

Link to the web

Aminoacids 264

Sub-family

Not classified

Link to the web

MASSSSVLLVVVLFVAVFLGSAYGIPKVPPG
 PNITATYGDKWLDKSTWYGKPTGAGPK
 DNGGACGYKDVKPPFSGMTGCGNTPIF
 KSGRGCGSCFEIKCTKPEACSGEPVVVHI
 TDDNEEPIAPYHFDLSGHAFGAMAKKGDE
 QKLSRAGELELQFRRVKCKYPEGTKVTFH
 VEKGSNPNYLALLVKYVNGDGDVVAVDIK
 EKGKDKWIELKESWGAIWRIDTPDKLTGP
 FTVRYTTEGGTKTEAEDVIPEGWKADTSY
 ESK

Natural / Recombinant

Recombinant

Type

Inhalant

Biochemistry

Expansin

Chemistry

Expansin

Reactivity

Genuine (specific)

Cross/pan component

No

Food

No

95% of grass pollen-allergic patients (98 tested) showed IgE binding to Phl p 1 in immunoblot of pollen extract; 97/98 subjects showed IgE binding to rPhl p 1 on nitrocellulose filters.

Acidity Susceptibility

Not relevant

Heat Susceptibility

Not relevant

Digestion Susceptibility

Not relevant