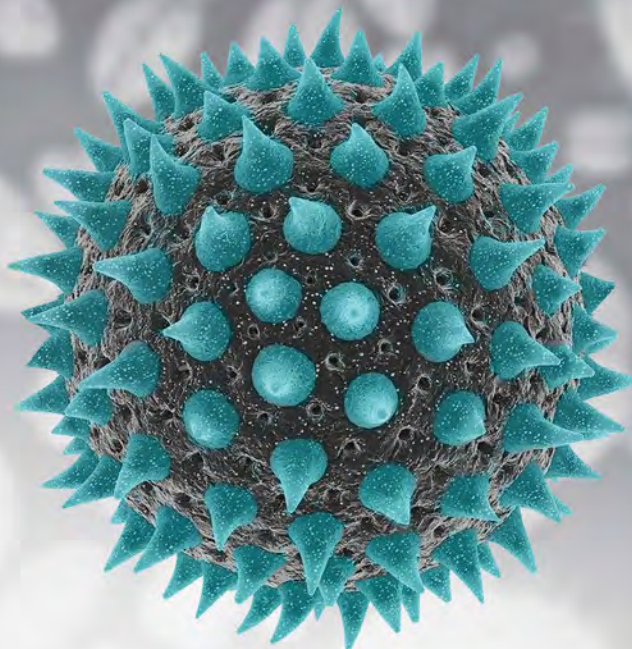


**2021**  
Allergens Products

# ALLERGENS

## Signaling You To The Right Path

SignalChem Biotech is a Canadian company focused on the research, development and production of innovative and high-quality human recombinant signaling enzymes. We especially focus in highly active protein kinases, disease-related mutant kinases, lipid kinases, epigenetic enzymes, ubiquitination-related enzymes and neurodegenerative disease-related enzymes and proteins. SignalChem strives to support scientists in academia, pharma and biotech companies around the world by creating effective research tools to advance the basic research in life sciences and to facilitate the efforts in drug discovery and development.





## **What We Are Good At**

Our scientists manufacture active enzymes and novel assays following strict QC/QA standards using our state of the art manufacturing facility.

**In House Manufacturing**  
**Superior Quality**  
**Exceptional Team**





Catalog No: CF01-A951H

## Can f 1

Recombinant full-length *Canis familiaris* major allergen Can f 1 was expressed in *E. coli* using a C-terminal His tag.



Full length  
recombinant protein



Source  
*Canis familiaris*



Expression system  
*E. coli*

### Technical Features



Purity Approx.  
90% using  
densitometry



Aliases  
Major allergen  
Can f 1, Allergen Dog 1



Molecular weight  
~20 kDa



Catalog No: CF03-A951H

## Can f 3

Recombinant full-length *Canis familiaris* major allergen Can f 3 was expressed in E.coli using a C-terminal His tag.



Full length  
recombinant protein



Source  
*Canis familiaris*



Tag  
C terminal His-tag

### Applications



R&D of novel  
Immunoglobulin  
ELISA kits



Recombinant  
Antibody Production



Allergy research and  
diagnostic research

Catalog No: DF01-A941H

## Der f 1

Recombinant full-length *Dermatophagoides farinae* allergen Der f 1 was expressed in E.coli using a C-terminal His tag.



Source  
*Dermatophagoides  
farinae*



Expression system  
E.coli



Tag  
C terminal His-tag

### Technical Features



Molecular weight  
Approx. 36 kDa



Aliases  
Der f 1 allergen



Purification using  
affinity chromatography



Catalog No: FD01-A951H

## Fel d 1

Recombinant full-length *Felis catus* allergen Fel d 1 was expressed in *E. coli* using a C-terminal His tag.



Source  
*Felis catus*



Tag  
C terminal His-tag



Expression system  
*E. coli*

### Technical Features



Purity Approx.  
90% using densitometry



Molecular weight  
~28 kDa



Purification using  
affinity chromatography



Catalog No: MN03-A921H

## Man i 3

Recombinant full-length *Mangifera indica* allergen Man i 3 was expressed in Tobacco using a C-terminal His tag.



Source  
*Mangifera indica*



Expression system  
Tobacco



Tag  
C terminal His-tag

### Technical Features



Unique product to  
SignalChem



Molecular weight  
Approx. 19 kDa



Aliases  
Profilin 1



Catalog No: DP21-A941H

## Der p 21

Recombinant full-length *Dermatophagoides pteronyssinus* Der p 21 was expressed in *E. coli* using a C-terminal His tag.

Catalog No: DP02-A941H

## Der p 2

Recombinant full-length *Dermatophagoides pteronyssinus* Der p 2 was expressed in *E. coli* using a C-terminal His tag.



Full length  
recombinant protein



Source  
*Dermatophagoides*  
*pteronyssinus*



Expression system  
*E. coli*



Source  
*Dermatophagoides*  
*farinae*



Expression system  
*E. coli*



Tag  
C terminal His-tag

### Applications



R&D of novel D  
iagnostic tests



Recombinant  
Antibody Production



R&D of allergy thera-  
pies, formulations and  
vaccines

### Technical Features



Molecular weight  
Approx. 15 kDa



Purity  
Approx. 90%  
using densitometry



Purification using  
affinity chromatography



Catalog No: AA01-A921H

## Amb a 1

Recombinant full-length *Ambrosia artemisiifolia* allergen Amb a 1 was expressed in Tobacco using a C-terminal His tag.



Full Length  
recombinant protein



Source  
*Ambrosia artemisiifolia*



Expression system  
Tobacco plant

### Applications



R&D of novel  
Immunoglobulin  
ELISA kits



Recombinant  
Antibody Production



Allergy research and  
diagnostic research



Expression system  
E.coli



Source  
*Aspergillus fumigatus*

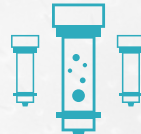


Tag  
C terminal His-tag

### Technical Features



Molecular weight  
~20 kDa



Purification  
using affinity  
chromatography



Aliase  
Peroxiredoxin Asp f3, Prx,  
Thioredoxin peroxidase,  
TPx



Catalog No: AV01-A921H

## Art v 1

Recombinant full-length *Artemisia vulgaris* major pollen allergen Art v 1 was expressed in Tobacco using a C-terminal His tag.



Expression system  
Tobacco plant



Source  
*Artemisia vulgaris*



Tag  
C terminal His-tag

### Technical Features



Purification using affinity  
chromatography



Purity Approx.  
85% using  
densitometry



Molecular weight  
~20 kDa



MORE  
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WORKING TOGETHER**



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