

# Aspartic protease inhibitor 11, Recombinant Protein

Cat *RP15274*

Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1*

**Species** *mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Solanum tuberosum (Potato Cell))*

## Full Product Name

Recombinant Solanum tuberosum Aspartic protease inhibitor 11

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

ESPLPKPVLD TNGKELNPNS SYRIISIGRG ALGGDVYLGK SPNSDAPCPD GVFRYNSDVG PSGTPVRFIP  
LSGGIFEDQL LNIQFNIA TV KLCVSYTIWK VGNLNAYFRT MLETGGTIG QADSSYFKIV KLSNFGYNLL  
YCPITPPFLC PFCRDDNFCA KVGWVIQNGK RRLALVNENP LDVLFQEV

## Sequence Positions

1-188, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

20,590 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Aspartic protease inhibitor

## NCBI Accession #

P16348.1

## NCBI GI #

124148

## NCBI Official Full Name

Aspartic protease inhibitor 11

## UniProt Protein Name

Aspartic protease inhibitor 11

## UniProt Synonym Protein Names

Cathepsin D inhibitor PDI; Allergen: Sola t 2

## UniProt Primary Accession #

P16348

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## UniProt Comments

*mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*  
Inhibitor of cathepsin D (aspartic protease) and trypsin (serine protease). May protect the plant by inhibiting proteases of invading organisms.

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