Antifungal protein J (AFP-J), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP15292*

Size *0.05 mg (E-Coli)/ 0.2 mg (E-Coli)/ 0.5 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.05 mg (Baculovirus)/ 0.2 mg (Yeast)/ 1 mg (E-Coli)/ 0.5 mg (Yeast)/ 0.1 mg (Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg (B*

Species
Solanum tuberosum (Potato)

Full Product Name
Recombinant Solanum tuberosum Antifungal protein J

Product Synonym Names
Recombinant Antifungal protein J; Antifungal protein J; AFP-J

Product Gene Name
AFP-J recombinant protein

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

Sequence
LPSDATLVLD QTGKELDARL

Sequence Positions
1-20aa; 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
2,155 Da

Storage
Store at -20℃. For extended storage, store at -20 or -80℃.

Protein Family
Antifungal protein

NCBI Accession
P84794.1

NCBI GI
93204534

NCBI Official Full Name
Antifungal protein J

UniProt Gene Name
AFP-J

UniProt Synonym Gene Names

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https://www.cd-biosciences.com/plant-protein/

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AFP-J

UniProt Protein Name

Antifungal protein J

UniProt Entry Name

AFPJ_SOLTU

UniProt Primary Accession

P84794

UniProt Comments

Function: Inhibitor of serine proteases chymotrypsin, pepsin and trypsin. Has strong antifungal activity against the human pathogenic fungi C.albicans TIMM 1768, S.cerevisiae KCTC 7296 and T.beigelli KCTC 7707, but lacks antifungal activity against the plant pathogenic fungi C.gloeosporioides KACC 40003, C.coccodes KACC 40803 and D.bryoniae KACC 40669. Lacks hemolytic activity against human erythrocytes.Subcellular location: Vacuole By similarity UniProtKB P30941. Sequence similarities: Belongs to the protease inhibitor I3 (leguminous Kunitz-type inhibitor) family. Mass spectrometry: Molecular mass is 13500.5 Da from positions 1 - ?. Determined by MALDI.

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