

Aspartic protease inhibitor 7 (LOC102577754), Recombinant Protein

Cat *RP15283*

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*

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 7

Product Gene Name

LOC102577754 recombinant protein

Purity

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

Sequence

ESPVPKRVLDTNGKKNPNSYRIISTFWGALGGDVYLGKSPNSDAPCPDGVFRYNSDVGPSGTPVRFIP
LSGANIFEDQLLNIQFNIPTVKLCGSYTIW KVG NINAH LR TMLLETGGTI GQADSSYFKI VKSSKFGYNL
LYCPLTRHFLCPFCRDDNFC AKVGVVIQNG KRRLALVNEN PLDVLFQEV

Sequence Positions

33-221, 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

24,485 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

NP_001275020.1

NCBI GI

568215057

NCBI GenBank Nucleotide

NM_001288091.1

NCBI GeneID

102577754

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Full Name
aspartic protease inhibitor 7

NCBI Official Symbol

LOC102577754

NCBI Protein Information

aspartic protease inhibitor 7

UniProt Protein Name

Aspartic protease inhibitor 7

UniProt Synonym Protein Names

Cathepsin D inhibitor p749

UniProt Primary Accession

Q41448

UniProt Related Accession

Q41448

UniProt Comments

Inhibitor of cathepsin D (aspartic protease). May also inhibit trypsin and chymotrypsin (serine proteases). Protects the plant by inhibiting proteases of invading organisms.

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