

Aspartic protease inhibitor 2 (CathDinh), Recombinant Protein

Cat RP15293

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 2

Product Gene Name

CathDinh recombinant protein

Purity

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

Sequence

ESPLPKPVLDTNGKELNPNSYRIISIGRGLGGDVYLGKSPNSDGPCPDGVFRYNSDVGPSGTFVRFIP
LSGGIFEDQLLNIQFNIA TVKLCVSYTIWKVGNLNAYFRTMLLETGGTIGQADSSYFKIVKLSNFGYNLL
YCPITPPFLCPCFRDDNFCAKVGVIQNGKRRLLALVNENPLDVLVFQEV

Sequence Positions

33-220, 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

24,199 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

Q43646.1

NCBI GI

20137333

NCBI Official Full Name

Aspartic protease inhibitor 2

UniProt Gene Name

CathDinh

UniProt Synonym Gene Names

CathDinh

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Protein Name
mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Aspartic protease inhibitor 2

UniProt Synonym Protein Names

CathIhn; Cathepsin D inhibitor; CathDinh

UniProt Primary Accession

Q43646

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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