

Aspartic protease inhibitor 9 (NID), Recombinant Protein

Cat RP15357

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-Cell)

Full Product Name

Recombinant Solanum tuberosum Aspartic protease inhibitor 9

Product Gene Name

NID recombinant protein

Purity

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

Sequence

ESPLPKPVLD TNGKELNPNS SYRIISIGAG ALGGDVYLGK SPNSDAPCPD GVFRYNSDVG PSGTPVRFIP
LSGGIFEDQL LNIQFNIP TV KLCVSYTIWK VGNLNAYFRT MLETTGGTIG QADNSYFKIV KLSNFGYNLL
SCPFTSIICL RCPEDQFCAK VGVVIQNGKR RLALVNENPL DVLFQEV

Sequence Positions

1-187, 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

20,368 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

P58521.1

NCBI GI

20137279

NCBI Official Full Name

Aspartic protease inhibitor 9

UniProt Gene Name

NID

UniProt Synonym Gene Names

NID

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 9

UniProt Synonym Protein Names

Novel inhibitor of cathepsin D; NID

UniProt Primary Accession

P58521

UniProt Comments

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

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