

Cysteine proteinase inhibitor 12 (Os01g0270100, LOC_Os01g16430), Recombinant Protein

Cat RP14150

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-
Oryza sativa subsp. japonica (Rice)
Cell)

Species

Full Product Name

Recombinant Oryza sativa subsp. japonica Cysteine proteinase inhibitor 12 (Os01g0270100, LOC_Os01g16430)

Product Gene Name

Os01g0270100 recombinant protein

Product Synonym Gene Name

Os01g0270100; LOC_Os01g16430

Purity

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

Sequence

LFLVGSASLA MAGHVLGGAH DAPSAANSVE TDALARFAVD EHNKRENALL EFVRVVEAKE QVVAGTLHHL
TLEALEAGRK KVYEAKVWVK PWLDFKELQE FRNTGDATTF TNADLGAKKG GHEPGWRDVP VHDPVVKDAA
DHAVKSIQQR SNSLFPYELL EIVRAKAEVV EDFAKFDILM KLKRGNKEEK FKAEVHKNLE GAFVLNQMQQ
EHDESSSQ

Sequence Positions

33-250, 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

27,269 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

Cysteine proteinase inhibitor

NCBI Accession

XP_015621945.1

NCBI GI

1002235496

NCBI GenBank Nucleotide

XM_015766459.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Cysteine proteinase inhibitor 12 (Os01g0270100, LOC_Os01g16430), Recombinant Protein

Cat *RP14150*

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

NCBI GeneID
4326272 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)

NCBI Official Full Name

cysteine proteinase inhibitor 12

NCBI Official Symbol

LOC4326272

NCBI Official Synonym Symbols

OC-XII

NCBI Protein Information

cysteine proteinase inhibitor 12

UniProt Gene Name

Os01g0270100

UniProt Synonym Gene Names

OC-XII

UniProt Protein Name

Cysteine proteinase inhibitor 12

UniProt Synonym Protein Names

Oryzacystatin XII; OC-XII; Oryzacystatin-12

UniProt Primary Accession

Q0JNR2

UniProt Secondary Accession

Q5NBI1; B7F4W8

UniProt Related Accession

Q0JNR2

UniProt Comments

Specific inhibitor of cysteine proteinases. Probably involved in the regulation of endogenous processes and in defense against pests and pathogens .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY