

Cysteine proteinase inhibitor 8 (Os03g0429000, LOC_Os03g31510), Recombinant Protein

Cat *RP14287*

Size 0.02 mg (*E-Coli*)/ 0.1 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg
(*Yeast*)/ 0.02 mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 0.02 mg

(*Mammalian-Cell*)/ 0.1 mg (*Baculovirus*)/ 1 mg (*Yeast*)/ 0.1 mg
(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
Species *Oryza sativa* subsp. *japonica* (*Rice*)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Cysteine proteinase inhibitor 8 (Os03g0429000, LOC_Os03g31510)

Product Gene Name

Os03g0429000 recombinant protein

Product Synonym Gene Name

Os03g0429000; LOC_Os03g31510

Purity

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

Sequence

AQVGGNRGGH PLVGGWSPIT DVGDPHIQEL GGWAVERHAS LSSDGLRFRR VTSGEQQVVS GMNYRLVSA
SDPAGATASY VAVVYEQSWT NTRQLTSFKP AAAH

Sequence Positions

20-123, 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

12,879 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_015628386.1

NCBI GI

1002248406

NCBI GenBank Nucleotide

XM_015772900.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.02 mg

4333170 (Mammalian-Cell)/ 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 8

NCBI Official Symbol

LOC4333170

NCBI Official Synonym Symbols

OC-VIII; OsJ_11358

NCBI Protein Information

cysteine proteinase inhibitor 8

UniProt Gene Name

Os03g0429000

UniProt Synonym Gene Names

OC-VIII

UniProt Protein Name

Cysteine proteinase inhibitor 8

UniProt Synonym Protein Names

Oryzacystatin VIII; OC-VIII; Oryzacystatin-8

UniProt Primary Accession

Q10J94

UniProt Secondary Accession

A3AJC3

UniProt Related Accession

Q10J94

UniProt Comments

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

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