# 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

(Veast)/ 0 02 ma (Raculovirus)/ 1 ma (F-Coli)/ 0 02 ma

(Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)/ 0.7 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)/ 0.7 mg (Baculovirus)/ 0.7 mg (Baculovi

#### **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

AQVGGNRGHG PLVGGWSPIT DVGDPHIQEL GGWAVERHAS LSSDGLRFRR VTSGEQQVVS GMNYRLVVSA 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 GenelD**

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

E-mail: info@cd-biosci.com https://www.cd-biosciences.com/plant-protein/

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Cat RP14287

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

(Veast)/ 0 02 ma (Raculovirus)/ 1 ma (F-Coli)/ 0 02 ma

4333170 (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg

NCBI Official Full Name (Baculovirus)/ 0.5 mg (Mammalian-

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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