Metallothionein-like protein 1A (ERR26), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP12515*

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. indica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. indica Metallothionein-like protein 1A (ERR26)

Product Gene Name
ERR26 recombinant protein

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

Sequence
MSCSCGSSCS CGSNCSCGKK YPDLEEKSSS TKATVVLGVA PEKKAQQFEA AAESGETAHG CSCGSSCRCN PCNC

Sequence Positions
1-74, 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
7,482 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Metallothionein-like protein

NCBI Accession
A2ZH20.1

NCBI GI
158513336

NCBI Official Full Name
Metallothionein-like protein 1A

UniProt Gene Name
ERR26

UniProt Synonym Gene Names
MT-1; MT1A; RGMT-1; OsMT1a

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
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E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

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UniProt Protein Name

Metallothionein-like protein 1A

UniProt Synonym Protein Names

Class I metallothionein-like protein 1A; OsMT-I-1a; OsMT1a

UniProt Primary Accession

A2ZH20

UniProt Secondary Accession

O04739; O22489; Q40633; Q53MA9; Q53NN5; Q53WW8; Q6RUN8

UniProt Comments

Metallothioneins have a high content of cysteine residues that bind various heavy metals (Probable). May be involved in ROS homeostasis. May act as reactive oxygen species (ROS) scavenger in response to salt stress (PubMed:23385446).

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