

Metal tolerance protein 2 (MTP2), Recombinant Protein

Cat *RP11325*

Size 0.02 mg/ 0.1 mg/ 5x0.1 mg

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Metal tolerance protein 2 (MTP2)

Product Gene Name

MTP2 recombinant protein

Purity

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

Sequence

MGFRLAHLAA CVARAAASSS RLRGPRPAAS ALVAPLLASP WEPSSGGGQPH WLVP SRGHVG HSHHHHHGEE
VGGEASERIF RLGLAADVVL TVGKAVTGYL SGSTAIAADA AHSLS DIVLS GVALLSYKAA KAPRDKEHPY
GHGKFESLGA LGISSMLLT AGGIAWHAFD VLQGVMSAP DIIGNVSHAH HSHGSSGHHH GIDLEHPILA
LSVTAF AISV KEGLYWITKR AGEKEGSGLM KANAWHHRSD AISSVALLG VGGSILGVPY LDPLAGLVVS
GMILKAGVHT GYESVLELVD AAVDPSLLQP IKETILQVDG VKGCHRLRGR KAGTSLYLDV HIEVYPFLSV
SAAHDIGETV RHQIQKSHNQ VAEVFIHIGS LQPLNQNAL

Sequence Positions

1-389aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

40,734 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

Metal tolerance protein

NCBI Accession

Q10LJ2.1

NCBI GI

122247027

NCBI Official Full Name

Metal tolerance protein 2

UniProt Gene Name

MTP2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat *RP11325*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

UniProt Synonym Gene Names

OsMTP2

UniProt Protein Name

Metal tolerance protein 2

UniProt Entry Name

MTP2_ORYSJ

UniProt Primary Accession

Q10LJ2

UniProt Secondary Accession

Q0DRY0

UniProt Comments

Involved in sequestration of excess metal in the cytoplasm into vacuoles to maintain metal homeostasis.

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