

Magnesium transporter MRS2-A, chloroplastic (MRS2-A), Recombinant Protein

Cat *RP10860*

Species

Oryza sativa subsp. indica (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. indica Magnesium transporter MRS2-A, chloroplastic (MRS2-A)

Product Synonym Names

Recombinant Magnesium transporter MRS2-A, chloroplastic (MRS2-A); Magnesium transporter MRS2-A, chloroplastic

Product Gene Name

MRS2-A recombinant protein

Product Synonym Gene Name

MRS2-A; OsI_13056

Purity

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

Sequence

AAGRGGAGGL LLLPPLPALR AAEGKDGRAV TKDEEEEEAAA AAVEEEGEVE VRREEDKPGD DGSREAAARG
SGSGRFSADY ISLGIREPVY EVIEVKSNGR MSTKKISRRQ LLKSSGLRLR DTRSVDP SLW LMNSMP SLLV
REQAILVNLG SLRAIAMHER VLIFNYNSPG GKAFDLSLLP RLNPRNINGG PAMPFQLEV V EAALLSRIQR
LERRLMRIEP RVGALLEVLP NRLTADVLEQ LRLSKQALVE LGSRAGDLKQ MLIDLDDPH EIRRICIMGR
NCTLDKLS DN MECSVPLEKQ IAEEEEEEIE MLLENYLQRC ESIHGQAERL LDSAREMEDS IAVNLSSRRL
EVS RVELL LQ VGTFCVAIGA LIAGIFGMNL KSYLETNAWA FWATTGGIVV GAVAGFFIMY SYLKTRKIL

Sequence Positions

56-474

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

51,892 Da

Storage

Store at -20°C. For extended storage, store at -20 or -80°C.

Protein Family

Magnesium transporter

UniProt Gene Name

MRS2-A

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Magnesium transporter MRS2-A, chloroplastic (MRS2-A), Recombinant Protein

Cat *RP10860*

UniProt Protein Name

Magnesium transporter MRS2-A, chloroplastic

UniProt Entry Name

MRS2A_ORYSI

UniProt Primary Accession

B8APK3

UniProt Comments

Function: Magnesium transporter that may mediate the influx of magnesium in chloroplast By similarity. Subcellular location: Plastid. Plastid › chloroplast membrane; Multi-pass membrane protein Potential. Sequence similarities: Belongs to the CorA metal ion transporter (MIT) (TC 1.A.35.5) family.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY
