

Recombinant Full Length *Oryza Sativa* Subsp. Japonica Magnesium Transporter Mrs2-I(Mrs2-I) Protein, His-Tagged

Cat. No. RFL27544OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. japonica Magnesium transporter MRS2-I(MRS2-I) Protein (Q10D38) (1-384aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
ProteinLength	Full Length (1-384)
Form	Lyophilized powder
AA Sequence	MAAVVVAGEAAAAAAAAAGAGGKKRGASRSWILFDAAGEERVLDADKYAIMHRVDI NARD LRILDPLLSYPSTILGRERAIVLNLEHIKAITAEVLLRDPLDDNVIPVVEELRRR LAP SSATQHDVEGAEEDESPFEFRALEVTLAICSFLGARTTELESAAYPALDELTS KISSRN LDRVRLKLSGMTRLNARVQKVRDELEQLLDDDDDMADLYLSRKLAGAASP VSGSGGPNWF PASPTIGSKISRASRASAPTIHGNENDVEELEMILLEAYFMQIDGTLN KLTTLREYIDDTE DYINIQLDNHRNQLIQLELFLSSGTVCLSLVSLVAGIFGMNIPYTW NDNHGYVFKWVVLV SGLFCAFMFVSIVAYARHKGLVGS
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	MRS2-I
Synonyms	MRS2-I; Os03g0742400; LOC_Os03g53110; OJ1365_D05.9; OsJ_12521; Magnesium transporter MRS2-I
UniProt ID	Q10D38