

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

Cat. No. RFL216OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Oryza sativa subsp. japonica Magnesium transporter MRS2-E(MRS2-E) Protein (Q8S1N1) (1-418aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rice
Source	E.coli
ProteinLength	Full Length (1-418)
Form	Lyophilized powder
AA Sequence	MERRAQPVSAAVAPVTGRRKGAAASRKWMVVPVAVGEERRVEFGKHQIMKMTGLP GRDLRV LDPVLSYPSTILGRDRAIVVRLQG VKAITATEVLVPDHDDVLLASFLDLRS RLSLPDA APSTNPAAADRGNGTEQGDQGSVPGLAISGAGNAKIPPEFEKVLVLCLE HACKDLESQTR SLEKEAYPALDKLGSKVSTLNLDHVRNLKSRMVDLSGRVQKIRDE LEHLLDDDDMDMSEMY LTRKLSFQGLSGSLSRADSHKYASVDHDDDDREEEDHDDDET ESGRESSVYVKPDIEELEML LEAYFVQIDGTLNTLYHIREYADDTEDYINIMLDEKQN QLLQMGVMLTTATVVVTAGIVV VSLFGMNIHIDLMKDPETPEMVRMSNMHFWETTF GTVAGCIAIYLLAIYAGRKSKILQ
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C

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	for up to one week.
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-E
Synonyms	MRS2-E; Os01g0869200; LOC_Os01g64890; OsJ_04219; P0677H08.30; Magnesium transporter MRS2-E
UniProt ID	Q8S1N1