

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

Cat. No. RFL34234OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Oryza sativa</i> subsp. japonica Magnesium transporter MRS2-F(MRS2-F) Protein (Q8L4S2) (1-444aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	Rice
Source	<i>E. coli</i>
Protein Length	Full Length (1-444)
Form	Lyophilized powder
AA Sequence	MRPSAAAGGGGGGGRRKAAAAAAAAASREWLVVPASGQARVEEAGKHAVMART GLPARDL RVLDPLLSY PSTILGRERAI VVNLERVKAVITAAEVLLPNSKDPAFASFVC DLQARVLAS SSDQAAEFTDMEGESSAVTSPFPALTSTTPNELEMTNKN SNVVGGM THSNSMPTLTAAKD GNTKVLPFEFRALEVCL ESACRSLEEETSTLEQEAYPALDELT SKISTLNLERVRQIKSR LVAISGRVQKVRDELEHLLDDEMDMAE MYLTEKLTRQEISE TSSRVEVDDPSQLEVDRDE DYRSEADV SNGTFIGYKPHIEELEMLLEAYFVQIDGTL NKLSHLREYVDDTEDIYINIMLD DKQNQLLQMGV MLSTATVVITAGVAVVGLFGMNIG ISLYADPTNEEEKRASNMKFWETTL GTIAGCTVMYIVAMGWGKRSGLLQ
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-F
Synonyms	MRS2-F; Os01g0908500; LOC_Os01g68040; B1417F08.35; OsJ_04478; P0456E05.8; P0497A05.17; Magnesium transporter MRS2-F
UniProt ID	Q8L4S2