

Recombinant Full Length Arabidopsis Thaliana Magnesium Transporter Mrs2-11, Chloroplastic(Mrs2-11) Protein, His-Tagged

Cat. No. RFL8884AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Magnesium transporter MRS2-11, chloroplastic(MRS2-11) Protein (Q058N4) (63-459aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length of Mature Protein (63-459)
Form	Lyophilized powder
AA Sequence	CFAKSPTTAEDFVGDIYESLNVSDDDDGSDSNSSDGDNGGGRDDSKKIDSSSSSS SDSTS LGIREPVYEVVEVKATGAISTRKINRRQLLKSSGLRPRDIRSVDP SLFMTNSV PSLLVRE HAILNLGSLRAIAMRDRVLIFDYNRRGGRAFVDTLMPRLNPRSMNGGPS MPFELEAVES ALISRIQRLEQRLMDIEPRVQALLEVLPNRLTADILEELRISKQRLVEL GSRAGALRQML LDLLEDPHEIRRICIMGRNCTLRRGDDDLLECTLP SDKLIAEEEEEEI EMLLENYLQRCES CHGQAERLLDSAKEMEDSIAVNLSSRRLEVSRFELLQVGTFC VAVGALIAGIFGMNLR YLEEQASAFWLTTGGIIIGA AVAFFLMYSYLSRRKIF
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C 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	MRS2-11
Synonyms	MRS2-11; GMN10; MGT10; At5g22830; MRN17.6; Magnesium transporter MRS2-11, chloroplastic; Magnesium Transporter 10; AtMGT10
UniProt ID	Q058N4

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