

Recombinant Full Length Oryza Sativa Subsp. Japonica Mlo Protein Homolog 1(Mlo1) Protein, His-Tagged

Cat. No. RFL13445OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Oryza sativa subsp. japonica MLO protein homolog 1(MLO1) Protein (Q0DC45) (1-540aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rice
Source	E.coli
ProteinLength	Full Length (1-540)
Form	Lyophilized powder
AA Sequence	MAGGRSGSRELPETPTWAVAVVCAVLVLVSVAMEHGLHNLSHWFRRRQKKAMGD ALDKIK AELMLLGFISLLLTVAQAPISKICIPKSAANILLPCKAGQDAIEEEAASDRSL AGAGGG DYCSKFDGKVALMSAKSMHQLHIFIFVLAVFHVITYCVITMGLGRLKMKKW KKWESQTNSL EYQFAIDPSRFRFTHQTSFVKRHLGSFSSTPGLRWIVAFFRQFFGS VTKVDYLTMRQGFI NAHLSQNSKFDHFKYIKRSLEDDFKVVVGISLPLWVFGILVFL DIHGLGLTIWISFVPL IIVLLVGTKLEMVIMQMAQEIQDRATVIQGAPVVEPSNKYFWF NRPDWVLFFIHLTLFHN AFQMAHFVWTMATPGLKKCFHENIWLSIVEVIVGISLQVLC SYITFPLYALVTQMGSNMK KTIFEEQTMKALMNWRKKAMEKKKVRDADAFLAQMS VDFATPASSRSASPVHLLQDHRAR SDDPPSPITVASPPAPEEDIYPVPAASRQLL DDPPDRRWMASSSADIADSDFSFSAQR
Purity	Greater than 90% as determined by 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	MLO1
Synonyms	MLO1; MLO-H1; Os06g0486300; LOC_Os06g29110; OJ1568_D07.18; P0008F02.13; MLO protein homolog 1; OsMLO1
UniProt ID	Q0DC45

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