

# Recombinant Full Length Arabidopsis Thaliana Mechanosensitive Ion Channel Protein 2, Chloroplastic(Msl2) Protein, His-Tagged

Cat. No. RFL34101AF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Arabidopsis thaliana Mechanosensitive ion channel protein 2, chloroplastic(MSL2) Protein (Q56X46) (76-673aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Arabidopsis thaliana
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length of Mature Protein (76-673)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>CHSFSASGKAIEPAVKAVTVVLTKSHGLMQQFPFVYKLVPAVALLVFSLWGLVPPFAR            QGR NILLNKNDNGWKKSGTYHVMTSYVQPLLLWLGALFICRALDPVVLPTTEASKIVK            DRLLNF VRSLSTVLAFAFAYCLSSLIQQTQKLFSETSNPSDTRNMGFQFAGKALYS AV            WVAAVSLFME LLGFSTQKWLTAGGLGTVLITLAGREILTNFLSSVMIHATRPFVLNE            WIQTKIEGYEVSG TVEHVGWWSPTIIRGEDREAIHIPNHKFTVNVVRNLTQKTHWRI            KTHLAISHLDV NKINN IVADMRKVLAKNPMVEQQLHRRVFLENVIPENQALSILISCF            VKTSHHEEYLGVKEAIL LDLLRVISHHRARLATPIRTIRKMYTETDVENTPFGESMYG            GVTSSRRPLMLIEPAYKING EDKSKSQNRAAKPTAEQENKGSNPKSKETSSPDLKAN            VKVGESPVSDTNKVPEETVAKPV IKAVSKPPTPKDTETSGTEKPKAKRSGGTIKSTK            TDETDSSTSSASRSTLEENIVLGVAL EGSKRTLPIEEEIHSPPMETDAKELTGARRSG</p>

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GNGPLVADKEQKDSQSQPNNGASTEP

**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.

**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** MSL2

**Synonyms** MSL2; At5g10490; F12B17.160; Mechanosensitive ion channel protein 2, chloroplastic; Mechanosensitive channel of small conductance-like 2; MscS-Like protein 2

**UniProt ID** [Q56X46](https://www.uniprot.org/entry/Q56X46)

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