

# Recombinant Human MCOLN1 Full Length Transmembrane protein, His-tagged

Cat. No. MCOLN1-1211H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human MCOLN1 protein(Q9GZU1)(1-580aa), fused with N-terminal His tag, was expressed in in vitro E. coli expression system.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-580aa
<b>Form</b>	<p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>
<b>Molecular Mass</b>	66.5 kDa
<b>AA Sequence</b>	<p>MTAPAGPRGSETERLLTPNPGYGTQAGPSPAPPTPPEEEDLRRRLKYFFMSPCDKF            RAKGRKPKLMLQVVKILVVTVQLILFGLSNQLAVTFREENTIAFRHLFLLGYSDGAD            DTFAAYTREQLYQAIFHAVDQYLALPDVSLGRYAYVRGGGDPWTNGSGLALCQRY            HRGHVDPANDTFDIDPMVVTDCIQVDPPERPPPPPSDDLTLLESSSSYKNLTLKFHK            LVNVTIHFRLKTINLQSLINNEIPDCYTFSVLITFDNKAHSGRIPISLETQAHIQECHKPS            VFQHGDNFRLLFDVVILTCSLSFLLCARSLLRGFLLQNEFVGFMMWRQRGRVISLW            ERLEFVNGWYILLVTSVDLTISGTIMKIGIEAKNLASYDVCSILLGTSTLLVWVG            VIRYL            TFFHNYNILIATLRVALPSVMRFCCCVAVIYLG YCFGWIVLGPYHVKFRSLSMVSEC</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LFSLINGDDMFVTFAAMQAQQGRSSLVWLFSQLYLYSFISLFIYMVLSLFIALITGAYD  
TIKHPGGAGAESESELQAYIAQCQDSPTSGKFRRGSGSACSLCCGRDPSEEHSL  
VN

**Purity** Greater than 85% as determined by SDS-PAGE.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** 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.

## GENE INFORMATION

**Gene Name** MCOLN1 mucolipin 1 [ Homo sapiens ]

**Official Symbol** MCOLN1

**Synonyms** MCOLN1; mucolipin 1; mucolipin-1; ML4; MLIV; MST080; MSTP080; TRPM L1; TRPML1; mucolipidin; mucolipidosis type IV protein; MG-2; TRP-ML1; TRPM-L1;

**Gene ID** 57192

**mRNA Refseq** NM\_020533

**Protein Refseq** NP\_065394

**MIM** 605248

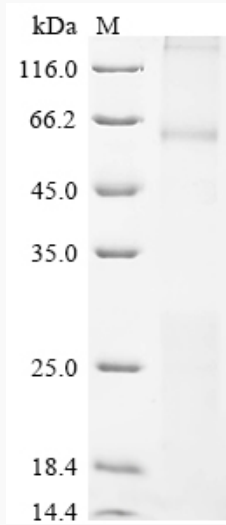
**UniProt ID** Q9GZU1

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**SDS-PAGE**



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