

Recombinant Human MCOLN1 Full Length Transmembrane protein, His-tagged

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

SPECIFICATION

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

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LFSLINGDDMFVTFAAMQAQQGRSSLVWLFSQLYLYSFISLFIYMVLSLFIALITGAYD
TIKHPGGAGAESESELQAYIAQCQDSPTSGKFRRGSGSACSLCCGRDPSEEHSLL
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

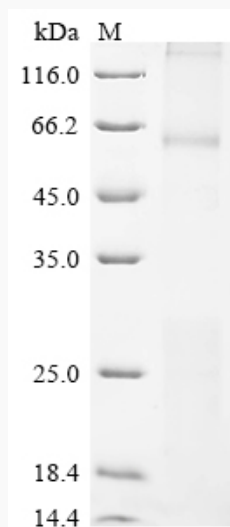
MIM 605248

UniProt ID Q9GZU1

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SDS-PAGE

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