

Recombinant Human MCOLN1 Protein, GST-tagged

Cat. No. MCOLN1-4513H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MCOLN1 full-length ORF (NP_065394.1, 1 a.a. - 580 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the transient receptor potential (TRP) cation channel gene family. The transmembrane protein localizes to intracellular vesicular membranes including lysosomes, and functions in the late endocytic pathway and in the regulation of lysosomal exocytosis. The channel is permeable to Ca(2+), Fe(2+), Na(+), K(+), and H(+), and is modulated by changes in Ca(2+) concentration. Mutations in this gene result in mucopolipidosis type IV. [provided by RefSeq, Oct 2009]
Molecular Mass	91.4 kDa
AA Sequence	MTAPAGPRGSETERLLTPNPGYGTQAGPSPAPPTPPEEEDLRRRLKYFFMSPCDKF RAKGRKPCKLMLQVVKILVVTVQLILFGLSNQLAVTFREENTIAFRHLFLLGYSDGAD DTFAAYTREQLYQAIFHAVDQYLALPDVSLGRYAYVRGGGDPWTNGSGLALCQRYR HRGHVDPANDTFDIDPMVVTDCIQVDPPERPPPPPSDDLTLLESSSSYKNLTLKFHK LVNVTIHFRCLKINLQSLINNEIPDCYTFSVLITFDNKAHSGRIPISLETQAHIQECHKPS VFQHGDNFRLLFDVVILTCSLSFLLCARSLRGFLLQNEFVGFMWRQRGRVISLW ERLEFVNGWYILLVTSVLTISGTIMKIGIEAKNLASYDVCSILLGTSTLLVWVGVIYRL TFFHNYNILIATLRVALPSVMRFCCCVAVIYLGYCFCGWIVLGPYHVKFRSLSMVSEC

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

LFSLINGDDMFVTFAAMQAQQGRSSLVWLFSQLYLYSFISLFIYMVLSLFIALITGAYD
TIKHPGGAGAESESELQAYIAQCQDSPTSGKFRRGSGSACSLCCGRDPSEEHSLL
VN

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

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

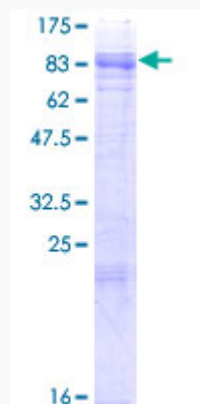
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

UniProt ID

Q9GZU1

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue

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

Email: info@creative-biomart.com Fax: 1-631-938-8127

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