

Product datasheet for **SC202812**

Mucolipin 1 (MCOLN1) (NM_020533) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Mucolipin 1 (MCOLN1) (NM_020533) Human 3' UTR Clone
Symbol:	Mucolipin 1
Synonyms:	MG-2; ML1; ML4; MLIV; MST080; MSTP080; TRP-ML1; TRPM-L1; TRPML1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_020533
Insert Size:	244 bp
Insert Sequence:	>SC202812 3'UTR clone of NM_020533 The sequence shown below is from the reference sequence of NM_020533. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC TCGGAGGAGCATTGCTGCTGGTGAAT TGA TTGACCTGACTGCCGTTGGACCGTAGGCCCTGGACTGC AGAGACCCCGCCCGACCCCGCTTATTTATTTGTAGGGTTTGCTTTTAAGGATCGGCTCCCTGTCGC GCCCGAGGAGGGCCTGGACCTTTCGTGTCGGACCCTTGGGGCGGGGAGACTGGGTGGGAGGGTGTG AATAAAAGGGAAAATAAATGTGTCGTTTTTCATTTTTA ACGCGT AAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_020533.3</u>



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Summary: 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]

Locus ID: 57192

MW: 9.1