

Product datasheet for **SC212556**

MCOLN2 (NM_153259) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: MCOLN2 (NM_153259) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: MCOLN2
Synonyms: TRP-ML2; TRPML2
ACCN: NM_153259
Insert Size: 1132 bp
Insert Sequence: >SC212556 3'UTR clone of NM_153259
The sequence shown below is from the reference sequence of NM_153259. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGTGATGATCACTTGATACCTATTAGCTAAAGTTCTGCTAAAGATGATTAAGTTTCAGGCATCCTTATC
CAGCGGCTGAGCAGAGGAACCCCAAATGACTTGGACAAGCAGTTCCAAAATGACTCTCTTATTTAATTG
TGGAGTGGGAAAGAGGACTCACAGTTAGCCAGCTGACCATGACTGAAGTTCCAGCTTTACTTTTTATAA
ACTTGAATGATAAAGAATAGACCATGGGCTACTACTGGGCATTAGTGCAATATAACAGCGATAATAAAA
TTCTCTATTAGTCTGTTAATTTATGACATGATCTCGGAATGGAAAAAGATCATTTAGAGTGTGCGAAA
TAATAGTCTTTAACCATGTAATTAATATGTGTGTTTATTGTCAAATAAGGATTTGTTTTAAAGGTGAT
TCTTGGGTTTGAAGACATTTGTTAATTCATGGTCTGTACAGAAATGAAGCTGGTTGCAATACCAATCTA
GAGAGTCCAAGCTGGTGAATTAAGCTGTTTAAAGATCACCTTGGCCTGGCACAGTGGTTCACACC
TGTAATCCCAGCACTTTGGGAGGCTAGGCAGGCAGACTGAGCTCAGGAGCTTGAGACCAGCCTGGGCA
ACATGGCAAAAACCCACCTCTACAAAAAGTACAAAAATTAGTCGGGCGTGATGGCAGGCATCTGTAGTC
CCAGCTACTTGGGAAGCTGAAGTGGGAGGATCACCTGAGCTCTGGAGGTGGAGGCTGCCATGAGCCATG
ATCGTGCCACTACACTCCAGCCTGGGTGACAGAGTGAGATCCTGTCTCAAAAAAAAAAAAAAAAAATACCC
TAAATCAACAAAAGACCTCATGCTCATGCAAGTGGACATTTCTTGGCCTGTTTTCTGTGGGTTTTCT
TCAGCATGATATGAAGCAACTGTTGGCATAGCCAGTGGGATAAATAAGAAATGGAATCATTTGGCTGCC
TCGTCACTTGTGCTAATGGTCAGTTGTACACACATGACATGTGGAAGTGACCTGTAGCAGCGGTCACTC
ATTTTAAACAATTGAACTGTCTGGGTTGGGTATTTACCTTTGTCTAGAAAAGAAATATGATATATTTTC
TCTAAATAAATTTATTTTCATCATTCCA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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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:	NM_153259.4
Summary:	Mucolipins constitute a family of cation channel proteins with homology to the transient receptor potential superfamily. In mammals, the mucolipin family includes 3 members, MCOLN1 (MIM 605248), MCOLN2, and MCOLN3 (MIM 607400), that exhibit a common 6-membrane-spanning topology. Homologs of mammalian mucolipins exist in Drosophila and C. elegans. Mutations in the human MCOLN1 gene cause mucolipodosis IV (MIM 262650) (Karacsonyi et al., 2007 [PubMed 17662026]).[supplied by OMIM, Sep 2009]
Locus ID:	255231
MW:	42.8