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Product datasheet for SC332164

TRPM1 (NM_001252020) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: TRPM1 (NM_001252020) Human Untagged Clone

Tag: Tag Free

Symbol: TRPM1

Synonyms: CSNB1C; LTRPC1; MLSN1

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332164 representing NM_001252020.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAGCTCCTTCAAGCGGGGCTCGCTCAAGAGCTCCACATCAGGGTCGCAGAAGGGTCAGAAATCTTGG
ATAGAGAAAACCTTTTGCAAACGGGAATGTATCTTTGTAATTCCTAGCATGAAAGACTCTAACAGGTGT
TGCTGTGGCCAGTTCACCAACCAGCATATCCCCCCTCTGCCAAGTGCAACACCCAGCAAAAATGAAGAG
GAAAGCAAACAGGTGGAGACTCAGCCTGAGAAATGGTCTGTTGCCAAGCACACCCAGAGCTACCCAACA
GATTCCTATGGAGTTCTTGAATTCCAGGGTGGCGGATATTCCAATAAAGCCATGTATATCCGTGTATCC
TATGACACCAAGCCAGACTCACTGCTCCATCTCATGGTGAAAGATTGGCAGCTGGAACTCCCCAAGCTC
TTAATATCTGTGCATGGAGGCCTCCAGAACTTTGAGATGCAGCCCAAGCTGAAACAAGTCTTTGGGAAA
GGCCTGATCAAGGCTGCTATGACCACCGGGGCCTGGATCTTCACCGGGGGTGTCAGCACAGGTGTTATC
AGCCACGTAGGGGATGCCTTGAAAGACCACTCCTCCAAGTCCAGAGGCCGGGTTTGTGCTATAGGAATT
GCTCCATGGGGCATCGTGGAGAATAAGGAAGACCTGGTTGGAAAGGATGTAACAAGAGTGTACCAGACC
ATGTCCAACCCTCTAAGTAAGCTCTCTGTGCTCAACAACTCCCACACCCACTTCATCCTGGCTGACAAT
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GTGTCCATCGTCTTGGAATACCTGCAAGAAGAGCCTCCCATCCCTGTGGTGATTTGTGATGGCAGCGGA
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AAAGGGAAGAAAAAGAAAAAGAAGAAAAAGGAGGAAGAGATCGACATTGATGTGGACGACCCTGCCGTG

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AGTCGGTTCCAGTATCCCTTCCACGAGCTGATGGTGTGGGCAGTGCTGATGAAACGCCAGAAAATGGCA
GTGTTCCTCTGGCAGCGAGGGGAAGAGAGCATGGCCAAGGCCCTGGTGGCCTGCAAGCTCTACAAGGCC
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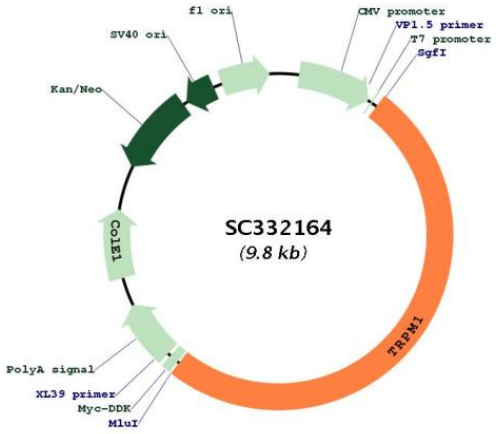
CATGCCAGTAGTGTAAGCAGCTTAGTAATTGTGTCTGGAATGACAGCAGAAGAAAAAAAGGTTAAGAAA
GAGAAAGCTTCCACAGAAACTGAATGCTAG

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001252020
Insert Size:	4929 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001252020.1
RefSeq Size:	6022 bp
RefSeq ORF:	4929 bp
Locus ID:	4308

UniProt ID:	Q7Z4N2
Cytogenetics:	15q13.3
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
MW:	186.5 kDa
Gene Summary:	This gene encodes a member of the transient receptor potential melastatin subfamily of transient receptor potential ion channels. The encoded protein is a calcium permeable cation channel that is expressed in melanocytes and may play a role in melanin synthesis. Specific mutations in this gene are the cause autosomal recessive complete congenital stationary night blindness-1C. The expression of this protein is inversely correlated with melanoma aggressiveness and as such it is used as a prognostic marker for melanoma metastasis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).