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Product datasheet for RN200070

Trpm1 (NM_001037733) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Trpm1 (NM_001037733) Rat Untagged Clone

Tag: Tag Free

Symbol: Trpm1

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

Fully Sequenced ORF:

>RN200070 representing NM_001037733
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGTCCATGAGGAAAATGAGCAGCTCCTTCAAGCGTGGTTCAATCAAGAGCTCCACATCAGGGTCCC
AGAAGGGTCAGAAAGCATGGATAGAGAAGACGTTTTGCAAAAGGGAATGCATCTTCGTGATTCCTAGTAC
AAAAGACCCGAACAGATGTTGCTGTGGTCAGCTCACTAACCAGCACATCCCCCCGCTGCCGAGTGTGACT
CCCAGCTCAACAGCAGAGGACACCAAGCAAGGGGACGCACAGTCCGGGAAATGGTCTGTCAGCAAACACA
CCCAGAGCTACCCAACAGACTCCTATGGGATTCTTGAATTCCAGGGTGGGGGCTACTCCAATAAAGCCAT
GTATATCCGAGTCTCCTACGACACCAAGCCAGATTCTCTGCTCCATCTCATGGTGAAGGACTGGCAGCTG
GAGCTCCCCAAGCTCTTGATATCTGTGCATGGAGGCCTCCAGAGCTTTGAGATGCAGCCCAAGCTGAAGC
AGGTCTTTGGGAAAGGTCTGATCAAGGCTGCCATGACCACAGGGGCATGGATCTTCACCGGGGGAGTGAG
CACTGGTGTCGTCAGCCATGTGGGGGATGCCTTGAAGGACCACTCCTCCAAGTCCAGAGGCCGGCTCTGT
GCTATCGGAATCGCTCCCTGGGGCATGGTGGAGAACAAGGAAGATCTGGTTGGGAAAGATGTAACGAGAG
TCTACCAGACCATGTCCAACCCTCTGAGCAAGCTCTCCGTGCTCAACAATTCTCACACTCACTTCATCTT
GGCTGACAATGGCACCCTTGGCAAGTATGGTGCCGAGGTGAAGCTTCGAAGACAACTGGAAAAACACATC
TCCCTGCAGAAGATCAACACGAGGCTGGGCCAGGGTGTACCTGTCGTGGGTCTCGTGGTGGAAGGTGGAC
CTAATGTGGTTTCTATCGTCCTGGAGTATCTCAGAGAAGACCCTCCTGTCCCTGTGGTGGTTTGTGACGG
CAGTGGACGCGCCTCCGACATTTTGTCTTTTGCACACAAATACTGCGACGAAGGAGGGGTCATAAACGAG
TCCCTGCGGGACCAGCTTCTAGTTACCATTCAGAAAACATTTAATTACAGCAAGTCCCAGTCGCATCAGC
TGTTTGCAATTATCATGGAGTGCATGAAGAAGAAAGAACTCGTCACTGTGTTTCGGATGGGCTCTGAGGG
TCAGCAAGATGTTGAGATGGCAATTTTAACTGCCTTGCTCAAAGGAACCAACGTGTCAGCTCCAGATCAG
CTGAGCTTGGCACTGGCTTGGAACCGCGTGGACATAGCACGAAGCCAGATCTTCGTCTTTGGCCCACACT
GGCCGCCACTGGGAAGCCTGGCCCCTCCTGTGGACACCAAAGTCGCAGAGAAGGAGAAGAAGCCACCCAC
AGCCACCACCAAGGGAAGAGGAAAAGGGAAAGGCAAGAAGAAAGGCAAAGTGAAAGAGGAGGTGGAGGAA
GAAACAGACCCCCGGAAGATCGAGCTGCTGAACTGGGTGAACGCCCTGGAGCAAGCCATGCTGGACGCTC
TTGTCTTAGACCGGGTTGACTTTGTGAAGCTCCTGATTGAAAACGGAGTGAACATGCAGCATTTCCTCAC
TATCCCGAGGCTGGAGGAGCTTTACAACACTAGACTGGGCCCACCAAACACCCTTCATCTGCTGGTGCGG

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GATGTGAAGAAGAGCAACCTTCCACCTGACTACCACATCAGCCTCATCGATATAGGACTGGTGTTGGAGT
ACCTCATGGGAGGTGCCTACCGCTGCAACTACACTCGGAAAAGCTTCCGGACTCTCTACAACAACTTGTT
TGGCCCTAAGAGGCCAAAAGCACTTAAACTCCTGGGAATGGAAGATGATGAGCCCCCAGCCAAGGGGAAG
AAGAAAAAGAAGAAGAAGAAAGAGGAGGAGATTGATATAGATGTGGACGACCCCGCTGTGAGTCGGTTCC
AGTATCCGTTCCACGAGCTCATGGTATGGGCCGTGCTCATGAAGCGCCAGAAGATGGCAGTCTTCCTGTG
GCAGCGTGGGGAGGAGTGCATGGCAAAGGCCTTGGTGGCCTGTAAGCTCTACAAGGCCATGGCCCACGAG
TCCTCGGAGAGCGAGCTGGTGGATGACATCTCCCAGGATCTGGACAACAATTCCAAGGATTTTGGCCAGC
TCGCTGTGGAGCTGTTAGACCAGTCTTACAAGCACGATGAGCAAGTGGCCATGAAACTTCTGACCTATGA
GCTCAAGAACTGGAGCAACTCGACCTGCCTTAAGCTGGCCGTGGCGGCCAAGCACAGGGACTTTATCGCT
CACACCTGCAGCCAGATGCTGCTGACAGACATGTGGATGGGAAGGCTTCGCATGAGGAAGAACCCTGGCC
TGAAGGTCATCATGGGGATCCTTATCCCGCCCACCATCTTGTTTTTGGAATTCCGTTCATATGATGACTT
CTCCTATCAAACATCCAAGGAGAATGAAGATGGCAAAGAAAAGGAAGAAGAGAATGTGGATGCAAATGCA
GATGCTGGCTCAAGAAAGGGGGATGAGGAGAATGAGCACAAAAAACAGAGGAGCATTCCCATTGGAACAA
AGATCTGTGAATTCTATAATGCGCCCATTGTCAAGTTCTGGTTTTACACAATCTCCTACTTGGGCTACTT
GCTGCTGTTCAATTATGTCATCCTGGTGCGGATGGACGGCTGGCCTTCACCCCAAGAATGGATCGTTATC
TCCTACATTGTGAGCCTGGCACTAGAGAAAATACGAGAGATCCTCATGTCGGAACCAGGCAAACTCAGCC
AGAAAATCAAAGTGTGGCTCCAAGAGTACTGGAACATCACAGACCTTGTGGCCATTTCCATGTTCATGGT
TGGGGCCATCCTTCGCCTCCAGAACCAGCCATACATGGGCTATGGCCGGGTCATCTACTGTGTGGATATC
ATCCTCTGGTACATCCGAGTGTTAGACATCTTTGGTGTCAACAAGTATCTTGGCCCCTATGTAATGATGA
TTGGAAAGATGATGATTGACATGCTGTACTTTGTGGTCATTATGCTGGTTGTGCTGATGAGTTTCGGCGT
AGCTCGGCAAGCCATCTTGCACCCAGAGGAGAAGCCTTCTTGGAAACTGGCCCGAAACATCTTCTACATG
CCCTACTGGATGATCTACGGAGAAGTGTTTGCAGACCAGATAGACCTCTATGCCATGGAAATCAACCCTC
CTTGTGGTGAAAATCTCTATGATGAGGAAGGCAAGAGGCTCCCTCCCTGCATCCCTGGTGCCTGGCTCAC
ACCTGCCCTCATGGCCTGTTATCTCCTGGTGGCCAATATCCTGCTGGTCAACCTGCTGATTGCTGTTTTC
AACAATACCTTCTTTGAAGTCAAGTCAATATCCAATCAAGTGTGGAAGTTCCAGCGGTACCAACTGATCA
TGACATTTCACGACAGGCCGGTCCTGCCCCCGCCAATGATCATCTTAAGCCACATCTACATCATCGTTAT
GCGTCTCAGTGGTCGCTGCAGAAAAAAGAGAGAAGGGGACCAGGAGGAGCGGGATCGTGGGTTGAAGCTG
TTCCTCAGCGACGAGGAACTGAAAAAACTGCATGAGTTTGAGGAGCAGTGCGTGCAGGAGCACTTCCGAG
AAAAGGAGGATGAGCAGCAGTCGTCCAGCGATGAGCGCATCCGGGTTACAAGCGAGAGAGTTGAAAATAT
GTCAATGAGGCTGGAGGAAATCAACGAAAGAGAAAATTTCATGAAGGCGTCTCTGCAGACTGTCGACCTT
CGGCTCTCTCAGCTGGAGGAGCTATCTGGCAGGATGGTGGGCGCTCTGGAGAATCTGGCAGGCATCGACA
GGTCTGATCTGATCCAGGCTCGATCAAGAGCATCCTCAGAATGTGAGGCCACCTACCTGCTGCGGCAGAG
CAGTATCAACAGCGCCGATGGCTACAGCATGTACCGCTACCATTTCAATGGCGAGGAGCTTCTGTTTGAG
GAGCCCGCCCTCTCCACTTCGCCAGGGACAGTGTTCCGGAAAAAAAACCTGCTCCTTCCGCGTGAAGGAAG
AGGATGTAAAACCACACCTGGACCAGCCAAGTAGCCTGCACCACACCCCAGGCCCCAGCCCGCCTGCCAC
GCCAGGTCGCAGCCGGCTTGCCCTTGATGGTCCCTTGAGCACAGAGTTGAGACCTGGACTGGATCCTGGT
ATCTCTGCGGGTGAGCTTGATCCGCGGGCAGATTTCAAGAGCGCCGAAGTTGCACCAAGTCTGAACACGG
CGAATGTTGCAAGCACTCAGCTGACCGTCGAAAGCACTGTTTCCCACCCACTGCGGGAGAGCAAACTCGC
GCGCTACTACCCCGGAGACCTCAACACCTACAAAACAATGAAGTCCAGAAGCTTCGTCTATTCTGAAGGA
AGAAAACTTGTCCGAGGTCTTAGCAACTGGGGTGCCGAGTACAGTTCAATCATGGACCAAACATGGAACT
CGGCAGAATGGAGATGTCAAGTTCAAAGGATCACACGCTCCCGCAGCACAGACATCCCGTACATTGTGTC
TGAAGCAGCCTCCCAAGATGAGTTTGAGGATGAGCACAGAGAATCTCTTCTGGCTCCTCAGATCTCCCGT
TCAGCCCTCACGGTCTCTGACAGGCCCGAAAAGGAAAACTTGCTGTCTGTGAAGCCACACCAGACTTTAG
GATTCCCCTGCCTACGGTCAAGAAGTTTACATGGTCATCCTAGGAGTGCCAAACCCTCTCCTAGCAAATT
AGACAGGGCGGGACATGCCAGCAGCACCAGCAACTTAGCAGTTATGTCAGACGCTCCAGAGGGACAAAAC
ACCCAGCAGGAGAAAGGAAACCCGGAAACTGAATGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001037733

Insert Size:	4869 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_001037733.1, NP_001032822.1
RefSeq Size:	5012 bp
RefSeq ORF:	4869 bp
Locus ID:	361586
UniProt ID:	Q2WEA5
Cytogenetics:	1q22
Gene Summary:	Calcium channel which may play a role in metastasis suppression. May act as a spontaneously active, calcium-permeable plasma membrane channel (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice site in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1.