

Product datasheet for RN214731

Trpm4 (NM_001136229) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Trpm4 (NM_001136229) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Trpm4
 Synonyms: LTrpC-4; MIs2s
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN214731 representing NM_001136229
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGGGCAGGAGAAAGAGCAGAGTTGGATCCCTAAGATCTTCAGGAAGAAGGTGTCACGACGTTCA
 TAGTGGACCTCCACGATGATGCGGGAGGGACCTTGTGCCAGTGTGGGCAACCTCGGGATGCCACCCTTC
 TGTGGCTGTGGAGGATGCCTTTGGGGCAGCCGTAGTTACCGAGTGAACAGTGATGAGCACACCACGGAG
 AAGCCACAGATGCCTACGGGGACCTGGACTTCACATACTCTGGCCGAAAGTCCAGCAACTTCTCCGGC
 TGCTGTATCGCACGGATCCGGCCACTGTGTACAGTCTCGTCACCCGCTCTTGGGGCTTCGTGCTCCAAA
 CTTGGTGGTGTGAGTGTGGGGGGTCCGAGGGCCCCGTGCTACAGACCTGGCTGCAGGACCTTCTGCGT
 CGTGGGCTGGTGCAGCAGCCCAGAGCACAGGGCCCTGGATCGTCACTGGGGGACTGCACACAGGCATTG
 GTCGGCATGTGGGTGTGGCTGTGAGGGACCACCAGACGGCCAGCACCGGGGGCAGCAAGGTGGTGGCCAT
 GGGTGTGGCCCCCTGGGGAGTGGTCCGGAACAGAGACATGCTGATCAACCCCAAGGGCTCATTCCCTGCA
 AGATACCGGTGGCGTGGTACCCTGAGGACGGAGTTGAGTCCCCCTGGACTATAACTATTCTGCTTTCT
 TCTTGGTGGATGATGGTACCTATGGCCGCATGGGTGGTGAAGCCGCTCCGCTTCGGTTTGAGTCCCTA
 TGTGGCTCAGCAGAAGACCCGAGTGGGAGGGACTGGAATTGACATCCCTGTACTCCTTCTCTCATCGAA
 GGCGATGAGAAGATGTTAAAGCGGATAGAGGATGCCACCCAGGCTCAGCTCCCCTGCCTCTTGGTGGCTG
 GCTCTGGGGTGTGTCAGACTGCCTGGTGGAGACCCTGGAAGATACTCTGGCCCCAGGGAGTGGGGGACT
 CAGGCGAGGTGAAGCCCGGGATCGAATTAGACGTTACTTCCCTAAAGGAGACCCCGAGGTCTGCAGGCC
 CAGGTAGAGAGGATCATGACCCGAAAGGAGCTGCTGACAGTCTATTATCAGAGGACGGCTCCGAGGAGT
 TTGAGACTATCGTTTTGAGGGCTCTGTGAAAGCCTGTGGGAGCTCCGAGGCTCGGCTTACCTGGATGA
 ACTGCGTTTTGGCTGTGGCTTGAACCCGCTGGACATCGCCCAAAGTGAACTTTTCCGTGGGACATCCAG
 TGCGGGTCTTCCACCTGGAGGCTCTCTCATGGACGCTCTGCTGAATGACCGGCTGAGTTTGTGCGCT
 TGCTCATCTCCATGGCCTTAGTCTGGGACACTTCTGACCCCGTGGCCTGGCCAGCTGTACAGCGC
 AGTGTCCCAACTCGCTGATCCGAATCTTCTGGACCAGGCGTCCCACGCTAGTAGCAGCAAATCTCCA
 CCTGCAATGGAGCTGCAGAGCTCCGGCCTCTAATGTGGGGCAAGTTCTGAGGACTCTGTTGGGAGAAA



CGTGTGCACCGCGGTACCCCGCCAGGAACACCCGACACTCCCTGCTGGGCCAGGACCACAGAGAGAATGA
 CTCTCTGCTCATGGACTGGGCCAACATGCAACAGGATGCAAGCTTTGAACAAGCCCCCTGGAGTGACCTG
 CTTATCTGGGCTCTGTTGTTGAACCGAGCCAGATGGCCATTTATTTCTGGGAGAAGGGCTCCAACCTCAG
 TGGCCTCTGCTCTCGGGGCTTGTCTCTTACTCCGAGTGATGGCTCGCCTTGAGTGGGAGGCTGAGGAAGC
 TGCACGGCGGAAGGACCTTGCTGCCAAGTTTGAAGCATGAGCGTGGACCTCTTTGGAGAGTGTACCAC
 AACAGTGAATATCGAGCAGCCCGCTTCTTCTGCGTGCCTGTCCCCTCTGGGAGAGGCCACCTGTCTCC
 AGCTTGCCATGCAGGCTGACGCCGTGCTTCTTTGCCAGGATGGAGTACAGTCTCTGCTGACACAGAA
 GTGGTGGGGGAGATGGACAGCACGAACCTATCTGGGCCCTGCTTCTCACCTTCTCTGCCCGCTCTC
 ATCTACACCAACCTCATCTCTTTCAGGAAGTCAAGGAGGAGCCACACAGAAGGATCTTGACTTCGATA
 TGGACAGCAGCATGAATGGAGCAGGTCCTCTTGGGCTGCGGAGCCCTCAGCAAAGGTGGCCCTTGAGAG
 GCGGGCGGCGGCGGCCAGGACATACCCTCTGCTGTGGCGGTGCTCCAAGCGCTGGTCTACTTTTGG
 GCGCCCCAGTGACCGCTTCTGGGTAACTGGTCACTTACCTGCTGTTCTGCTGCTGTTTGCACACG
 TGTGCTGGTGGATTTCCAGCCTACAAAGCCGGGCGTCTTCGAGCTGCTGCTGACTTCTGGCCTTAC
 GCTGCTATGCGAGGAGCTGCGCCAGGGCTGGGCGGTGGCTGGGTACCCTGGCCAACGGGGACCTGGT
 CCTGGCAAAGCTCCCCTGCGCCATCGTCTGCACCTCTACCTCTTGATACTTGAACAGTGCAGCTTGC
 TGGCACTCACCTGCTTCTGCTGGGCGTTGGCTGCAGGCTGACTCCTGGCCTGTTTGACTTGGGACGCAC
 AGTCTCTGTCTTGACTTCATGATCTTCACTGCGCCTGCTGCACATCTTACGGTGAACAAGCAGCTG
 GGGCCCAAGATTGTCATCGTGAGCAAGATGATGAAGGATGATTCTTTTTCTCTTCTCTGCTGCTG
 GGCTTGTAGCTTATGGGGTGGCCACAGAGGGGATCCTGAGGCCCCAGGACCGCAGTCTACCGAGCATCT
 GCGCAGGGTCTTCTACCGTCCGATCTGCAGATCTTCGGACAAATTTCCCAAGGAGAAATGGATGTGGCC
 CTCATGAATCCCAGTAACTGCTCTGCCGAGCGGGCTCCTGGGCTCACCCGAGGGGGCCGGTGCAGGCT
 CCTGTGTCTCCAGTATGCCAAGTGGCTGGTGGTGTGCTCCTCATCGTCTTCTGCTGGTGGCCAATAT
 CTTGCTGCTCAATCTGCTCATCGCCATGTTCACTACACCTTCAACAAAGTGCATGGCAACAGCAGCTC
 TACTGGAAGGCGCAGCGCTACAGCCTCATCCGGGAATTCATTGCGGCCCTGCCCTGGCCCAACCCCTCA
 TCATCATCTCTCACCTGCGTCTCTCTTCAAGTGGCTGCGCAGGTGTCATAGGACTAACTTGCCCGCTC
 CCCAGTCTTCGAGCACTTCCGTGTCTGTCTCTAAGGAAGCAGAGAGGACGCTGCTGACTTGGGAGTCT
 GTGCACAAAGAGAAGTCTCTATTGGCACAAGCTCGTGACAAGCGAGACGCGACTCGGAGCGTCTGAAAC
 GCACGTCACAGAAGGTGGACTGCACTGAAGCAGCTGGGACAGATCAGAGAGTATGACCGGCGTCTGAG
 GGGGCTGGAGAGAGAGGTCCAACACTGTTCTCGAGTCTGACTTGGATGGCTGAGGCCCTTAGCCACTCT
 GCCTTACTGCCTCAGGGGGGCCACCCCTCAAGCCCCACTGGGTCAAAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001136229

Insert Size:

3627 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_001136229.1](#), [NP_001129701.1](#)

RefSeq Size: 4203 bp

RefSeq ORF: 3627 bp

Locus ID: 171143

UniProt ID: [Q9ESQ5](#)

Cytogenetics: 1q22

Gene Summary: member of a family of calcium permeable channels [RGD, Feb 2006]