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Product datasheet for RN202101

Trps1 (NM_001134837) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Trps1 (NM_001134837) Rat Untagged Clone

Tag: Tag Free

Symbol: Trps1

Vector: pCMV6-Entry (PS100001)

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

Cell Selection: Neomycin

Fully Sequenced ORF:

>RN202101 representing NM_001134837
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCCGGAAAAAGAACCCCCCTCTGAGAAACGTTGCTAGTGAAGGCGAGGGTCAAACCCTGGAGCCAA
CAGCTACAGAGAGCAAGGCATCTGGGAAGAACAAAGAATTTTCTGCAGATCAGATGTCAGAAAATACAGA
TCAGAGTGATGTTGCAGAATTGAACACGAAGGAGGAACACAGCACGCATGGCCAAGAGCCGTCTTCGAGC
AGTAAGAAGGACTTGCAAATCTCAGGCCTGAGTGAGAAGGCTGGCTTCAATTATGAAAGCCCCAGTAAGG
GAGGGAACCTTGCCTCCTTCCCACATGATGAGGTAACAGACAGAAATATGTTGGCTTTCTCATCTCCAGC
TGCTGGGGGAGTCTGCGAGCCCTTGAAGTCTCCTCAAAGAGCAGAGGCAGATGACCCTCAAGATATGGCC
TGCACCCCATCAGGGGATTCACTGGAGACAAAGGAAGATCATAAAATGTCACCAAAGGCCACTGAGGAAA
CAGGGCCAGTGCAGAGTGGTCAAGCCAATTGTCAAGGTTTGAGTCCAGTTTCCGTGGCCTCAAAAAACCC
ACAAGTGCCTTCAGATGGGGGTGTCAGACTGAGTAAACCCAAAAGTGACTTACTGGTGAGTGACAACCCA
GACCCGGCACCTCTGTCTCCAGAGCTTCAGGACTTTAAATGCAATATCTGTGGATACGGTTACTATGGCA
ATGACCCCACAGATCTGATTAAGCACTTCCGAAAGTATCACTTAGGACTGCATAATCGCACCAGGCAGGA
TGCTGAGCTGGACAGCAAAATCTTGGCCCTTCATAACATGGTGCAGTTCAGCCATTCCAAAGACTTCCAG
AAGGTCAACCGTTCTGTGCTTTCTGGCGTGCTGCAGGATATCAGCTCTTCACGGCCTGCGCTACTAAATG
GGACCTATGATGTACAGGTCACTTCAGGTGGAACGTTCATTGGCATTGGACGGAAAACTCCCGATTGCCA
AGGCAACACCAAGTATTTCCGCTGCAAATTCTGCAATTTCACTTACATGGGCAACTCGTCAACTGAACTA
GAACAACATTTTCTTCAGACTCACCCGAATAAAATCAAAGTGTCTCTCCCGTCCTCCGAGGGCGTGAAAG
CTTCAGAGAAAAACTCTAACAAATCCATCCCTGCGCTTCGAGCCAGTGACTCTGGGGATGTAGGAAAATG
GCAGGACAAAATGACAGTCAAAGCTGGAGATGACACCCCTGTCGGCTACTCAGTGCCCATCAAGCCCCTC
GATTCCTCACGACAAAATGGTACAGAGGCCACCAGTTATTACTGGTGTAAATTTTGTAGTTTCAGCTGTG
AGTCATCTAGCTCGCTTAAGCTGCTAGAACATTACGGCAAGCAGCATGGAGCAGTGCAGTCGGGCGGCCT
TAATCCAGAGTTGAATGACAAACTTCCCAGGGGCTCTGTCATTAATCAAAATGATCTAGCCAAAAGTGTA
GAAGGAGAGCCATTGACCAAGCCAGAAAAGGGCTTGAGTGGGGCTAAAAAGAAGGACTTCCCCAGCAAGG
GAGCAGAGGATAATATGGTAACGAGCTATAACTGTCAGTTCTGTGACTTTAGATATTCCAAAAGCCATGG
CCCTGATGTGATTGTAGTGGGTCCACTTCTCCGTCATTATCAGCAACTCCATAACATCCACAAGTGTACC

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ATTAAGCATTGTCCATTCTGTCCCAGAGGCCTTTGCAGCCCAGAAAAGCACCTTGGAGAAATTACTTATC
CGTTTGCTTGTAGAAAAAGTAATTGTTCCCACTGTGCACTCTTGCTGTTACACTTGTCTCCTGGGGTGGC
CGGAAGTTCCAGAGTCAAACACCAATGCCACCAGTGTTCCTTCTCTACCCCCGATGTAGATGTGCTCCTC
TTTCACTATGAGACCATGCATGAGTCCCAAGCATCGGATGTCAAACAAGAGGTAAACCACCTGCTAGGAT
CTGAAGGGCAGCAGGCTGCCAGGGACAGCAAGGAACACTCGTGCACCAAATGTGATTTTATAACCCAGGT
GGAAGAAGAGATCTCTAGACACTACAGGAGAGCACACAGCTGCTATAAATGTCGTCAGTGCAGTTTCACA
GCTGGTGACACTCAGTCACTGTTGGAGCACTTCAACACGGTTCACTGCCAGGAACAGGAAGTAGCTACTG
CTAATGGCGAAGAGGATGGCCATGCCATACCCACCATCAAGGAAGAGCCCAAAATTGATCTCAAGGTCTA
CAGTCTGCTAAACCCAGACTCTAAAATGGGAGAGACAGTTCCCGAGAGCATAGTTAAGAGAGAGAAACTT
GATGACAAGGAAGGGCTAAAAGATAAAATCTGGACGGAGAGTTCAACTGATGACCTTCGTGGTGTGACTT
GGAGAGGAGCCGACATCCTACGGGGTAGTCCATCCTATACTCAAGCAAGTCTGGGGCTCTTGACGCCTGT
GTCCAGCTCCCAAGAGCAGACAAAGACTCTGAGGGACAGCCCCAATGTCGAAGCTGCCCACCTGGCCCGA
CCTATGTATGGCTTGGCTGTCGATACCAAGGGCTTCCTGCAAGGGGCTCCTGCTGGTGGCGAGAAGTCTG
CATCTCTCACTCAGCAGTATCCTGCTTCTGGAGAGGGCAAGACCAAGGACGAATCCCAGTCGCTGTTACG
GAGGCGAAGAGGCTCTGGTGTTTTTTGTGCCAATTGCCTGACCACAAAGACCTCTCTCTGGCGAAAGAAT
GCAAATGGCGGATATGTATGCAACGCATGTGGCCTCTACCAGAAACTTCACTCGACTCCCAGGCCTTTAA
ACATCATTAAACAAAACAACGGCGAGCAGATTATTAGAAGACGGACAAGAAAGCGCCTTAACCCAGAGGC
ACTTCAGGCTGAGCAACTCAACAAACAGCAGAGGGGAAGTGGGGAGGAGCAGGTCAATGGAAGCCCCTTA
GAGAGGAGGTCAGAAGATCACTTAAGTGAAAGTCATCAGAGAGAAATTCCACTTCCGAGCCTGAGTAAAT
ACGAAGCCCAGGGTTCATTGACTAAAAGCCATTCTGCTCAACAGCCGGTCCTGGTCAGCCAAACTCTGGA
TATTCACAAAAGGATGCAGCCTTTGCACATTCAGATAAAAAGTCCTCAGGAAAGTACTGGAGATCCAGGA
AACAGTTCATCCGTATCTGATGGGAAAGGAAGTTCTGAAAGAGGCAGCCCCATAGAAAAGTACATGAGGC
CTGCAAAACACCCCAACTATTCTCCACCAGGCAGCCCCATCGAAAAGTACCAATACCCACTTTTTGGAGT
TCCTTTTGTACATAATGACTTCCAGAGTGAAGCTGATTGGCTACGGTTCTGGAGTAAATATAAGCTCTCT
GTTCCTGGGAATCCGCACTACTTGAGTCATGTGCCTGGCTTACCAAATCCTTGCCAAAACTATGTGCCTT
ATCCCACCTTCAATCTGCCTCCTCATTTCTCAGCTGTTGGATCAGACAATGACATTCCTCTAGATTTGGC
GATCAAGCATTCCAGACCTGGGCCAACTGCAAATGGTGCCGCCAAGGAGAAAAGCAAGGCACCATCAAAC
GTAAAAAATGAAGGTCCCTTGAATGTAGTTAAGACGGAGAAAGTTGACAGAAGCACTCAAGATGAACTTT
CAACGAAATGTGTGCACTGTGGCATTGTTTTCCTGGATGAAGTGATGTATGCTTTGCATATGAGTTGCCA
TGGTGACAGTGGACCTTTCCAGTGCAGCATATGCCAGCATCTTTGCACGGACAAATATGACTTCACAACA
CATATCCAGAGGGGCCTGCATAGGAACAATGCACAAGCAGAAAAAAATGGAAAACCTAAAGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001134837

Insert Size: 3846 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_001134837.1, NP_001128309.1

RefSeq Size: 4577 bp

RefSeq ORF: 3846 bp

Locus ID: 299897

Cytogenetics: 7q31