

Product datasheet for **MC224150**

Trps1 (NM_032000) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trps1 (NM_032000) Mouse Untagged Clone
Tag: Tag Free
Symbol: Trps1
Synonyms: AI115454; AI447310; D15ErtD586e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224150 representing NM_032000
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTCCGGAAAAAGAACCCCTCTGAGAAACGTTGCTAGTGAAGGCGAGGGTCAAACCTGGAGCCAA
CAGCTACAGAGAGCAAGGTATCTGGGAAGAACAAGAATTGTCTGCAGATCAGATGTCAGAAAATACAGA
TCAGAGTGATGTTGCAGAGTTGAACTCGAAGGAGGAACACAGCACGCATGGCCAAGGCCATCTCCAGC
GGTAAGAAGGACTTGCAATCTCAGGCCTGAGTGAGAAGGCTGGCTTCAATTATGAAAGCCCAAGTAAAG
GAGGGAGCCTTGCTCCTTCCCACATGATGAGGTAACAGACAGAAATATGTTGGCTTTCTCATCTCCAGC
TGCTGGGGGAGTCTGCGAGCCCTTGAAGTCTCCTCAAAGAGCAGAGGCAGATGACCCCTCAAGATATGGCC
TGCACCCCATCAGGGGATTCATTGGAGACAAAGGAAGAGCATAAAATGTCACCAAAGGCCACTGAGGAAA
CAGGGCCAGTGCAGAGTGGTCAAGCCAATTGTCAAGGTTTGAGTCCAGTTCCGTGGCCTCAAAAAACCC
ACAAGTGCCTTCAGATGGGGGTGCAGACTGAGTAAACCCAAAGGTGACTTACTGGTGAATGACAACCCA
GACCCGGCACCTCTGTCTCCAGAGCTTCAGGACTTTAAATGCAATATCTGTGGATACGGTACTATGGCA
ATGACCCACAGATCTGATTAAGCACTCCGAAAGTATCACTTAGGACTGCATAATCGCACCAGGCAGGA
TGCTGAGCTGGACAGCAAATCTTGGCCCTTCAACATGGTGCAGTTCAGCCATTCCAAGACTTCCAG
AAGGTCAACCGTTCTGTGCTTTCTGGCGTGTGAGGATATCAGCTCTTACGGCCTGCTTTACTAAACG
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AGGCAACACCAAGTATTTCCGCTGCAAATCTGCAATTTCACTTATATGGGAACTCCTCAACTGAACTA
GAGCAACATTTTCTCAGACGCACCCGAATAAAATCAAAGTGTCTCTCCCGTCTCCGAGGGTGTGAAAC
CTTCAGAGAAAACTCTAACAAATCCATCCCTGCGCTTCGAGCCAGTGACTCTGGGGATGTGGGAAAGTG
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GATTCCTCAGACAAAATGGTACAGAGGCCACCGATTACTGGTGTAAATTTGTAGTTTCAGCTGTG
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TAATCCAGAGTTGAATGACAAGCTTCCCAGGGGCTCTGTCAATTAATCAGAATGATCTAGCCAAAAGTGTA
GAAGGAGAGCCATTGACCAAGCCAGAAAAGGGCTTGAGTGGGGCTAAAAAGAAGGACTTCCCAGCAAGG



GAGCAGAGGATAATATGGTAACGAGCTATAACTGTCAGTTCTGTGACTTTAGATATTCAAAAGCCATGG
 CCCTGATGTGATTGTAGTGGGTCCACTTCTCCGTCATTATCAGCAACTCCATAACATCCACAAGTGACC
 ATTAAGCACTGTCCATTCTGTCCAGAGGCCTTTGAGCCAGAAAAGCACCTTGGAGAGATTACTTATC
 CGTTTGCTTGTAGAAAAAGTAATTGTTCCCACTGTGCACTGTTGCTGTTGCACTTGTCTCCTGGGGTGGC
 CGGAAGTTCGAGAGTCAAACACCAATGCCACCAGTGTTCCTTCTACCCCCGATGTAGATGTGCTCCTC
 TTTCACTATGAGACCGTGCATGAGTCCCAAGCATCGGATGTCAAACAGGAGGCCAACCCACTGCTAGGAT
 CTGACGGGCAGCAGGCTGTCAGGGACAGCAAGGAGCACTCGTGCACCAAATGCGATTTTATAACCCAGGT
 GGAAGAAGAGATCTCGAGACACTACAGGAGAGCACACAGCTGCTATAAATGTCGTCAGTGCAGTTTCACA
 GCTGCTGACACTCAGTCACTATTGGAGCACTTCAACACAGTTCCTGCCCAGGAACAGGAAATCACTACTG
 CTAATGGCGAAGAGGGTGGCCATGCCATACCCACCATCAAAGAAGAGCCAAAATTGACCTCAAGGTCTA
 CAGTCTGTAAACCCAGACTCTAAAATGGGAGAAAACAGTTCGAGAGCATAGTCAAGAGAGAGAAAATT
 GATGACAAGGAAGGGCTGAAAGATAAAAATCTGGACTGAGAGTTCAACTGATGACCTTCGTGGTGTGGCTT
 GGAGAGGGGCAGACATCTACGGGGTAGTCCATCTCACTCAAGCAAGCTTAGGGGTCTTGACGCCTGT
 GTCCAGCTCCCAAGAGCAGACAAAGACTCTGAGGGACAGCCCAATGTTGAAGCTGCCACCTGGCAGCA
 CCTATGTATGGCTTGGCAGTAGATACCAAGGGCTTCTGCAAGGGGCTCCTGCTGTCAGCGAGAAGTCTG
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 GAGGCGAAGAGGATCTGGTGTTTTTTGTGCCAATTGCCTGACCACAAAGACCTCTCTCTGGCGAAAAGAT
 GCAAAATGGCGGATATGTATGCAATGCATGTGGTCTTACCAGAAACTTCACTCGACTCCCAGGCCTTTAA
 ACATCATTAACAAAACAACGGCGAGCAGATTATTAGAAGACGGACAAGAAAAGCGCCTTAACCCAGAGGC
 ACTTCAGGCTGAGCAGCTCAACAAAACAGCAGAGGGGAAGTGGGGAGGAGCAGGTCAATGGAAGCCCTTA
 GAGAGGAGGTGAGAAGATCACTTAAGTAAAAGTCATCCGAGAGAAAATCCACTCCGAGCCTGAGTAAAT
 ACGAAGCCAGGGTTCATTGACTAAAAGCCATTCTGCTCAGCAGCCAGTCTGGTCAGCCAAGCTCTGGA
 TATCCACAAAAGGATGCAGCCTTTGCACATTCAGATAAAAAGTCCCTCAGGAAAAGTACTGGAGATCCAGGA
 AATAGTTTCAATCCGTATCTGATGGGAAAGGAAGTTCTGAAAGAGGCAGCCCATCGAAAAGTACATGAGAC
 CTGCAAAACACCCCAACTATTCTCCACCAGGCAGCCCATCGAAAAGTACCAATACCCGCTTTTTGGAGT
 TCCTTTTGTACATAATGACTTCCAGAGTGAAGCTGATTGGCTACGGTTCTGGAGTAAATATAAGCTCTCC
 GTTCTGGGAATCCGCACTACTTGAGTCATGTGCCTGGCTTACCAAAATCCTTGCCAAAATATGTGCCTT
 ATCCACCTTCAATCTGCCTCCTCATTCTCAGCTGTTGGATCAGACAATGACATTCCTCTAGATTTGGC
 GATCAAGCATTCCAGACCTGGGCAACTGCAAATGGTGCCTCCAAGGAGAAAACCAAGGCACCACCAACT
 GTAATAAATGAAGTCCCTTGAATGTAGTTAAGACGGAGAAAAGTTGACAGAAGCACTCAAGATGAACCTT
 CAACGAAATGTGTGCACTGTGGCATTGTTTTCTGGATGAAGTGTATGCTTTGCATATGAGTTGCCA
 TGGTGACAGTGGACCTTCCAGTGCAGCATATGCCAGCATCTTTCACGGACAAAATATGACTTCACAACA
 CATATCCAGAGGGGCTGCATAGGAACAATGCACAAGCAGAAAAAATGGAAAACCTAAAGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_032000
Insert Size: 3846 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_032000.2](#), [NP_114389.2](#)

RefSeq Size: 10210 bp

RefSeq ORF: 3846 bp

Locus ID: 83925

Cytogenetics: 15 19.18 cM