

Product datasheet for **RN214746**

Trip10 (NM_053920) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trip10 (NM_053920) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trip10
Synonyms:	Cip4; STP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214746 representing NM_053920
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTGGGGTACCGAGTTGTGGGATCAGTTTGGAGTCTGGAACGCCACACACAGTGGGGCTGGATC
 TGTGGACAAATACGTGAAGTTCGTGAAAGAACCGTCGAGGTGGAGCAGTCTTATGCGAAGCAACTCAG
 GAGTCTGGTGA AAAAGTATCTTCCCAAGAGACCTGCCAAAGATGACCCCGAAATCAAGTTTAGCCAGCAA
 CAGTCAATTTGTCCAGCTTCTCCAGGAGGTCAATGATTTTGCAGGCCAACGAGAGCTGGTGGCCGAGAGCC
 TTGGCATCCGAGTGTCTGGAGCTGGCTAAGTATTCACAGGAGATGAAGCAAGAGAGGAAGATGCACTT
 CCAAGAAGGCCGTCGGGCCAGCAGCAGCTGGAAAATGGCTTCAAACAGCTGGAGAATAGTAAGCGAAAG
 TTTGAACGAGACTGTCGCGAGGCTGAGAAAACGGCTCACACCGCAGAGCGGCTGGACCAGGACATTAATG
 CCACCAAGGCCGATGTGGAGAAGGCCAAGCAGCAAGCCACCTTCGGAACCATGGCAGAAGAGAGCAA
 GAACGAATACGGGCCAGCTGCAGCGCTTCAACGGGACCAGGCTCACTTCTACTTCTCACAGATGCCG
 CAGATATTCGACAAGCTGCAGGACATGGATGAACGCGCGGCCACCCGCCTTGGGGCCGGGTATGGGCTCT
 TATCTGAAGCTGAACTGCAGGTGGTCCCATATTGGCAAATGCTTGGAGGGCATGAAGTGGCCGAGA
 GTCCGTGGATGCTAAGAACGACTCGAAGGTCTCATCGAATTACACAAGTCAGGGTTTGGCCGCCGGGT
 GACTTGGAAATTTGAAGACTTCAGCCAAGTTATGAACCGAGTCCCGTCGGACAGCAGCCTGGGCACCCAG
 ATGGCAGGCCTGAGTCCGAGCAGCTTCCAGCCGTAAGTCTGCGCAAGCGTTGGCCTTTGGGAAAAGAA
 CAAGACCGTGGTACCGAAGATTTCACTCACCTGCCCGGAGCAGCAGAGAAAGCGACTCCAGCAACAG
 TTGGAAGAGCGGAACCGAGAGTTGCAGAAGGAGGAGGACCAGAGGGAGGCCCTGAAGAAGATGAAAGATG
 TATATGAGAAAACACCACAAATGGGGGACCCCGCAGCTTAGAGCCCGCATTGCAGAGCCCTGGGCAA
 CATTGAAAGGCTGAACGTGGAAGTGCAGAAGTATGAGGCTTGGTTGGCAGAAGCTGAAACGCGGGTCCTC
 AGTAACCGAGGGGACAGCCTAAGCCGTCACTAGGCCTCCTGATCCCCAACTACTGCCCCACCTGATA
 GTAGCAGTAGCAGCAACAACAGTGGATCCCAGGATAATATGGAGAGCTCAGAAGAGCCCTTCAGAAGA
 AGGCCAGGACACCCCATCTACACTGAGTTCGATGAGGACTTTGAAGAACCTGCATCCCCATCGGCCAG
 TGTGTGGCTATCTACATTTTGAAGGATCCAGTGAAGGGACCGTCTCCATGTCCGAGGGGGAAGACCTCA
 GTCTGATGGAGGAAGACAAGGGTATGGATGGACACGGGTGAGGAGGAAACAGGGAGGCGAGGGCTATGT
 GCCCACCTCTTACCTCCGAGTCACACTCAACTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_053920
- Insert Size:** 1644 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_053920.1](#), [NP_446372.1](#)

RefSeq Size: 1958 bp

RefSeq ORF: 1644 bp

Locus ID: 116717

UniProt ID: [P97531](#)

Cytogenetics: 9q12

Gene Summary: may mediate salt tolerance by modulating the cation transport system [RGD, Feb 2006]