

## Product datasheet for **RR208768**

### Trip4 (NM\_001134981) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trip4 (NM_001134981) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trip4
Synonyms:	MGC188852
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR208768 representing NM\_001134981  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGTAGCTGGGGCGCATCCGGAGAGCCACTAGTACACTGGTGCACACAGCAATTGCGAAAACTT  
 TCGCCTTGGATGTCAGCGAGGAGATCATACAATATGTTTTGTCAATTGAGAGTCCGAAGAAATACGAGA  
 CTATGTGACAGATCTTCTCCAGGAAATGAGGGTAAAAAGGGTCAATTCATAGAAGATCTTATAACCAAA  
 TGGCAAAAAGAAGGATCAGGAGTGCAATTTCTGATCTTTTCAACAGTGTGGAAAAAGATGAAAGTTAG  
 ATGGACAGAGATCAGTGGACCAGCTAAAGCGGAGTAGGAGGAAAGGAAGAAACAAACAGGAAGTTCTGC  
 ATTTCTGAACTGACGTGACTGTGGAGGTCAAAACACCTTTAGATTTGGCCAAGGCACAAGAAGGCAAC  
 AGCTCCGTAAGAAGAAGACGAGATTTGTCAGCTTATATACAGGAGGGGCAGGACAACTTGCAGTCC  
 TCCTTCTGGTCTCACCCGTGTGATTGCTTGGGCCAGAAGCACAACACTCATCAATAACTGTCTGGTCTG  
 TGGGCGGATTGTCTGTGAACAGGAGGGTTCAGGCCCTGCTTGTCTGTGGCTCTTTGGTGTGTACCAAT  
 GAAGAACAGGACATTTTACAACGTGACTCAAACAAAAGCCAGAACTGCTGAAGAAGCTCATGTACAGGGG  
 CAGAGAATTCTGAAAAGGTGGATATCTCTACCAAGGACCATCCTCCTCATCAGGAATCTCGAATGAAGTC  
 TGGTTTGGAGAAGGCTGTCAAGCACAAGGAAAACTGTTAGAGTTCGATAGGACTAGTATCCGAAGGACC  
 CAAGTCATTGATGATGAATCAGATTACTTTGCCAGTATTCTAATCAGTGGCTGTCCAAAGTTGAGCGAG  
 ACATGCTACAGAAACGAGAGGAAGAGCTGAGAGAACTCCGACATGCCTCTCGACTTTCTAAGAAAGTCAC  
 CATTGACTTTGCGGGCGGAAGATCCTAGAAGATGAAAACCCACTGGCAGAGTATCACAGCAGACTAGAT  
 GAGACAATAACAAGCCATTGCCAATGGAACCTTGAACAGTCACTGGTCAAGTCTGATAGATCTTCTGAAG  
 AGCCTTTGGGAGTTCTGGTAAACCCTAACATGTACCAGGCCCTCCTCAGTGGGTGGACAACACTGGGTC  
 AGCACCACCAAAGAAAACCTTCACTCTCAGTAGGACCAAGACTAGAGCTCAGTTTACATCCTCACCAGCTT  
 CGAATCCAGGACCAGGAATTCAGGAAGGCTTTGATGGTGGCTGTGCCTGTCTGTGCATCAGCCCTGGG  
 CTTCTCTGCTGTCAAGGGGATTAAGGGTGGAGGGCAGATCCTGGTATACTCCTCACAGAGGAAGACT  
 TTGGATAGCAGCCACAGGCAAAAGACCTTCGACTCAAGAAGTCTCAGAACTCCAGGCTACCTACCGTCTT  
 CTTGCGGGAAAGATGTAGAATTTCAAATGACTATCCATCAGGTTGTCTTCTGGGCTGTGTGGACCTTA  
 TTGATTGCTTATCCAGAAACAATTCCAGGAGCAGTCCCGGACATCAGTCAAGAGTCTGACTCTCCATT  
 TGTCTTATCTGCAAAAATCCCCAGGAAATGGTGTGAAGTTCCTATTAAGGAAATCCTAAAATCTGG  
 AAAGTGGATTCCAAGATCCATCAAGGAGCAAGAAGGGTTAATGAAGCAGAATAAAGCTGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR208768 representing NM\_001134981  
 Red=Cloning site Green=Tags(s)

MAVAGAASGEPLVHWCTQQLRKTALDVSEIIQYVLSIESAEEIRDYVTDLLQNEGKKGQFIEDLITK  
 WQKKDQECISDSFQQCWKKDESLDQRSVDQLKRSRRKGRNKQEVPAFPEPDVTVVEVKTPLDLAKAQEGN  
 SSVKKTFRVSLYTRREGQDKLAVLLPGRHPCDCLGQKHKLINNCLVCGRIVCEQEESGPCLFCGSLVCTN  
 EEQDILQRDSNKSQKLLKLLMSGAENSGKVDISTKDHPHQESRMKSGLEKAVKHKEKLLLEFDRTSIRRT  
 QVIDDESDFASDSNQWLSKVERDMLQKREEELREL RHASRLSKKVTIDFAGRKILEDENPLAEYHSRLD  
 ETIQAIANGTLNQSLVTSDRSSEELGVLVNPMMYQAPPQWVDNTGSAPPKTSLSVGPRLSLHHPQL  
 RIQDQEFQEGFDGGWCLSVHQPWASLLVKGIKRVEGRSWYTPHRGRLWIAATGKRPSTQEVSELQATYRL  
 LRKGDVEFPNDYPSGCLLGCVDLIDCLSQKQFQEQFPDISQESDSPFVFIKKNPQEMVVKFPIKGNPKIW  
 KLDSKIHQGAKKGLMKQNKAV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001134981.1</a> , <a href="#">NP_001128453.1</a>
<b>RefSeq Size:</b>	2816 bp
<b>RefSeq ORF:</b>	1746 bp
<b>Locus ID:</b>	315769
<b>Cytogenetics:</b>	8q24
<b>MW:</b>	65.9 kDa