

Product datasheet for **MC228248**

Trip10 (NM_001242391) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trip10 (NM_001242391) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trip10
Synonyms:	A1646975; Cip4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228248 representing NM_001242391
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTGGGGTACCGAGTTGTGGGATCAGTTTGGAGTGTGGAACGCCACACGCAGTGGGGCTGGATT
 TGTTGGACAAATACGTGAAGTTCGTGAAAGAACGCGGAGGTGGAGCAGGCTTATGCTAAGCAACTCCG
 GAGCCTGGTGAAAAAGTATCTTCCCAAGAGACCTACCAAAGATGACCCTGAAGTCAAGTTCAGCCAGCAG
 CAGTCATTTGTCCAGTTCTCCAGGAGTCAATGACTTCGCAGGCCAGAGAGAGCTGGTGGCTGAGAGCC
 TCGGTATCCGAGTGTGTCTGGAGCTGGTAAGTATTCACAGGAGATGAAGCAGGAGAGGAAGATGCACTT
 CCAGGAAGGTCTCGGGCCAGCAGCAGCTGGAGAATGGCTTCAAACAGCTGGAGAATAGTAAGCGGAAG
 TTTGAACGAGATTGCCGGGAGGCTGAGAAAGCGGCTCACACTGCTGAGCGCTAGATCAGGACATTAATG
 CCACCAAGGCGGATGTGGAGAAGGCCAAGCAGCAAGCTCACCTTCGGAACCACATGGCAGAAGAGAGCAA
 GAATGAATATGCGGCCAGCTGCAGCGCTCAACCGAGACCAGGCTCACTTCTACTTCTCACAGATGCC
 CAGATATTCGATAAGCTGCAGGACATGGACGAACGCCGGCCACCCGCTGGGGCCGGGTATGGGCTCT
 TATCAGAGGCTGAACTGCAGGTGGTCCATTATTGGCAAATGCTTGGAGGGCATGAAGGTGGCCCGCA
 GTCTGTGGATGCTAAGAACGACTCACAGTCTCATCGAATTACACAAGTCCGGGTTTGCCCGCCAGGG
 GACTTGAATTTGAAGACTTTAGCCAAGTTATCAACCGAGTGCCTTCGGACAGCAGCCTGGGCACCCCGG
 ATGGCAGGCTGAGCTCCGAGCAGCCTCCAGCCGTAGCCGCGCCAAGCGTTGGCCTTTGGGAAAAAGAA
 CAAGACCGTGGCTACCGAAGATTTAGTCACTTGCCTCCGGAGCAGCAGAGAAAGCGACTTCAGCAACAG
 CTGGAAGAGCGGAACCGAGAGTTGCAGAAGGAGGAGGACCAGAGGGAGGCCCTGAAGAAGATGAAAGATG
 TATATGAGAAAAACACCACAAATGGGGGACCCTGCCAGCTTAGAGCCCGCATTGCAGAACCCCTGGCAA
 CATTGAGAGGCTGAAGTTGGAAGTGCAGAAGTATGAGGCTTGGTTGGCAGAAGCTGAAAGCCGGTCCCTC
 AGTAACCGAGGGGACAGCCTAAGCCGTACGCTAGGCCCCCTGATCCCCAACTACTGCCCCACCTGATA
 GCAGCAGTAGCAGCACCAACAGTGGATCCAGGACAATAAGGAGAGCTCAGAAGAGCCCCCTTCAGAAGG
 CCAGGACACCCCATCTATACTGAGTTCGATGAGGACTTTGAGGAGCCTGCATCCCTATCGGCCAGTGT
 GTGGCTATCTACCATTTTGAAGGATCCAGCGAGGGAACCGTCTCCATGTCCGAGGGGGAAGACCTCAGCC
 TGATGGAGGAAGACAAGGTGATGGATGGACGCGGGTCAAGGAGAAACAGGGAGCTGAGGGCTACGTGCC
 CACCTCTACCTCCGAGTCACACTCAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001242391

Insert Size: 1641 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001242391.1](#), [NP_001229320.1](#)

RefSeq Size: 2287 bp

RefSeq ORF: 1641 bp

Locus ID: 106628

UniProt ID: [Q8CJ53](#)

Cytogenetics: 17 D

Gene Summary: Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by recruiting WASL/N-WASP which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Required for the formation of podosomes, actin-rich adhesion structures specific to monocyte-derived cells. May be required for the lysosomal retention of FASLG/FASL (By similarity). Required for translocation of GLUT4 to the plasma membrane in response to insulin signaling.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (4) lacks an alternate in-frame exon and uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (4) has the same N- and C-termini but lacks two alternate internal segments compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.