

Product datasheet for **MC218328**

Trip4 (NM_001170907) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trip4 (NM_001170907) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trip4
Synonyms:	4930558E03Rik; ASC-1; Asc1; BB191711
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218328 representing NM_001170907
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGGCTGGGGCGCGTACCGGGAGCCGCTAGTACACTGGTGCACACAGCAGTTGCAAAAACTT
 TCGCCCTGGATGTCAGCGAGGAAATCATACAATATGTTTTGTCAATTGAGAATGCTGAAGAAATACGAGA
 ATATGTGACAGACCTTCTCCAGGAAATGAGGGCAAAAAGGGTCAATTCATAGAAGATCTTATAACCAAA
 TGGCAAAAGAATGATCAAGAGTTCATCTGATTCTTTCAACAGTGCTTGAGAAAAGTGAATTTTAG
 ATGGACAGAGATCAGTGGACCAGCTAAAGCGGAGTAGGAGGAAAGGACGAAACAAACAGGAAGTCTCTGC
 ATTTCTGAACCTGACGTAGCTGTGGAGGTCAAAACACCTTTAGATTTGGCTAAGGCACAAGAAAGCAAC
 AACTCCGTAAGAAGAAGACAAGATTTGTCAATTTATATAAAGAGAGGGACAGGACAAACTGCAGTCC
 TGCTTCTGGTCGTACCCGTGTGATTGCCTGGCCAGAAGCACAACTCATCAATAACTGTCTGGTCTG
 TGGCGGATCGTTTGTGAGCAGGAGGGTTCAGGCCCTGCTTGTCTGTGGCTCTTTGGTGTGACTAAT
 GAAGAACAGGATATTTTACAGCGGGACTCAAACAAAAGTCAGAACTGCTGAAGAAGCTCATGTCAGGGG
 CAGAGACTTCTGAAAAGGTGGACGTCTCTACCAAGGACCTACTTCTCATCAAGAATCCCGAATGAAGTC
 TGGTTTGGAGAAGGCTATCAAGCATAAGGAAAACTGTTAGAGTTCGACAGAACGAGTATCCGAAGGACC
 CAAGTTATTGACGATGAATCAGATTACTTTGCCAGTGAATCTAACCAGTGGCTGTCCAAAGTTGAGCGAG
 AAATGCTGCAGAAACGAGAGGAGGAGCTGAGAGAACTCCGACATGCCTCCAGACTTTCTAAGAAAGTGAC
 CATTGACTTCGCGGGCGGAAGATCCTAGAAGATGAAAATCCACTAGCAGAGTATCACAGCAGACTAGAT
 GAGACAATACAAGCCATTGCCAGTGGGACTTTGAACCAGTCACTGGTACGTTGGATAGATCTTGTGAAG
 AGCCTTTGGGAGTCTGGTAAACCCTAACATGTACCAGGCTCTCCTCAGTGGTTGACAACAGGCTC
 AACCCACAGAAGAAGACTTCACTCTCGGCAGGACCAAGACTAGAGCCAGTTTACATCAGCACCAGCTG
 CGAATCCAGGACCAAGAATTCCAGGAAGGCTTTGATGGCGGCTGGTGCCTGTCTATGCATCAGCCCTGGG
 CTTCTCTGCTTGTGAGGGGATTTAAAGGGTGGAGGGCAGATCCTGGTATACTCCTCACAGAGGAAGACT
 TTGGATAGCAGCCACGGGCAAAAGACCTTCCCCTCAGGAAGTCTCAGAACTCCAGGCTACCTATCGTCTT
 CTTCTGGGAAAGATGTGGAGTTTCCAATGACTATCCGTCGGTTGTCTTCTGGGCTGTGTGGACCTTA
 TTGATTGCTTGTCCAGAAACAATTTCAGGAGCAGGGAACTGGATCCAAGATCCATCAAGGAGCAAAG
 AAGGGGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001170907

Insert Size: 1620 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_001170907.1](#), [NP_001164378.1](#)

RefSeq Size: 6253 bp

RefSeq ORF: 1620 bp

Locus ID: 56404

UniProt ID: [Q9QXN3](#)

Cytogenetics: 9 C

Gene Summary: Transcription coactivator which associates with nuclear receptors, transcriptional coactivators including EP300, CREBBP and NCOA1, and basal transcription factors like TBP and TFIIA to facilitate nuclear receptors-mediated transcription. May thereby play an important role in establishing distinct coactivator complexes under different cellular conditions. Plays a role in thyroid hormone receptor and estrogen receptor transactivation (By similarity). Also involved in androgen receptor transactivation (PubMed:12077347). Plays a pivotal role in the transactivation of NF-kappa-B, SRF and AP1. Acts as a mediator of transrepression between nuclear receptor and either AP1 or NF-kappa-B. May play a role in the development of neuromuscular junction (By similarity). May play a role in late myogenic differentiation (PubMed:27008887).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR and uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus 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.