

Product datasheet for **MR209106**

Trip4 (NM_019797) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trip4 (NM_019797) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trip4
Synonyms:	4930558E03Rik; ASC-1; Asc1; BB191711
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209106 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGTGGCTGGGGCGCGTACCGGGAGCCGCTAGTACACTGGTGCACACAGCAGTTGCAAAAACTT
 TCGCCCTGGATGTCAGCGAGGAAATCATACAATATGTTTTGTCAATTGAGAATGCTGAAGAAATACGAGA
 ATATGTGACAGACCTTCTCCAGGAAATGAGGGCAAAAAGGGTCAATTCATAGAAGATCTTATAACCAAA
 TGGCAAAAAGATGATCAAGAGTTCATCTGATTCTTTCAACAGTGCTTGAGAAAAGTGAATTTTAG
 ATGGACAGAGATCAGTGGACCAGCTAAAGCGGAGTAGGAGGAAAGGACGAAACAAACAGGAAGTCTCTGC
 ATTTCTGAACCTGACGTAGCTGTGGAGGTCAAAACACCTTTAGATTTGGCTAAGGCACAAGAAAGCAAC
 AACTCCGTAAGAAGAAGACAAGATTTGTCAATTTATATAAAGAGAGGGACAGGACAAACTGCAGTCC
 TGCTTCTGGTCTCACCCGTGTGATTGCCTGGCCAGAAGCACAACACTCATCAATAACTGTCTGGTCTG
 TGGGCGGATCGTTTGTGAGCAGGAGGGTTCAGGCCCTGCTTGTCTGTGGCTCTTTGGTGTGACTAAT
 GAAGAACAGGATATTTTACAGCGGGACTCAAACAAAAGTCAGAACTGCTGAAGAAGCTCATGTCAGGGG
 CAGAGACTTCTGAAAAGGTGGACGTCTCTACCAAGGACCTACTTCTCATCAAGAATCCCGAATGAAGTC
 TGGTTTGGAGAAGGCTATCAAGCATAAGGAAAACTGTTAGAGTTCGACAGAACGAGTATCCGAAGGACC
 CAAGTTATTGACGATGAATCAGATTACTTTGCCAGTATTCTAACCAGTGGCTGTCCAAAGTTGAGCGAG
 AAATGCTGCAGAAACGAGAGGAGGAGCTGAGAGAACTCCGACATGCCTCCAGACTTTCTAAGAAAGTGAC
 CATTGACTTCGCGGGCGGAAGATCCTAGAAGTGAATACTAGCAGAGTATCACAGCAGACTAGAT
 GAGACAATAAAGCCATTGCCAGTGGGACTTTGAACAGTCACTGGTACGTTGGATAGATCTTGTGAAG
 AGCCTTTGGGAGTCTGGTAAACCCTAACATGTACCAGGCCCTCCTCAGTGGTTGACAACACTGGCTC
 AACCCACAGAAGAAGACTTCACTCTCGGCAGGACCAAGACTAGAGCCAGTTTACATCAGCACCAGCTG
 CGAATCCAGGACCAAGAATTCCAGGAAGCTTTGATGGCGGCTGGTGCCTGTCTATGCATCAGCCCTGGG
 CTTCTCTACTTGTGAGGGGATTAAGGGTGGAGGGCAGATCCTGGTATACTCCTCACAGAGGAAGACT
 TTGGATAGCAGCCACGGGCAAAAGACCTTCCCCTCAGGAAGTCTCAGAACTCCAGGCTACCTATCGTCTT
 CTTCTGGGAAAGATGTGGAGTTTCCAATGACTATCCGTCGGGTTGTCTTCTGGGCTGTGTGGACCTTA
 TTGATTGCTTGTCCAGAAACAATTTCAGGAGCAGTCCAGACATCAGTCAAGAGTCTGACTCTTCATT
 TGTTTTCATCTGCAAAAATCCCCAGGAAATGGTTGTGAAGTCCCTATTAAGGAAATCCTAAAATCTGG
 AAAGTGGATCCAAGATCCATCAAGGAGCAAGAAGGGGTTAATGAAGCAGAATAAAGCTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209106 protein sequence
 Red=Cloning site Green=Tags(s)

MAVAGAAAYREPLVHWCTQQLQKTFALDVSEEIIQYVLSIENAEIIEYVTDLLQGNEGKKGQFIEDLITK
 WQKNDQEFISDSFQQCLRKDEILDGQRSVDQLKRSRRKGRNKQEVPAFPEPDVAVEVKTPLDLAKAQESN
 NSVKKKTRFVNL YTREGQDKLAVLLPGRHPCDCLGQKHKLINNCLVCGRIVCEQEGSGPCLFCGSLVCTN
 EEQDILQRDSNKSQKLLKLLMSGAEISGKVDVSTKDLLPHQESRMKSGLEKAIKHKEKLLLEFDRTSIRRT
 QVIDDESDFASDSNQWLSKVEREMLQKREEELREL RHASRLSKKVTIDFAGRKILEDENPLAEYHSRLD
 ETIQAIASGTLNQSLVTLDRSCEEPLGVLVNPAMYQAPPQWVDNTGSTPQKKTSLSAGPRLEPSLHQHQL
 RIQDQEFQEGFDGGWCLSMHQPWASLLVRGIKRVESWYTPHRGRLWIAATGKRPSQPEVSELQATYRL
 LRGKDVEFPNDYPSGCLLGCVLDIDCLSQKQFQEQFPDISQESDSSFVFICKNPQEMVVKFPIKGNPKIW
 KLDSKIHQGAKKGLMKQNKAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_019797

ORF Size: 1746 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_019797.1](#), [NM_019797.2](#), [NM_019797.3](#), [NM_019797.4](#), [NP_062771.2](#)

RefSeq Size: 7172 bp

RefSeq ORF: 1746 bp

Locus ID: 56404

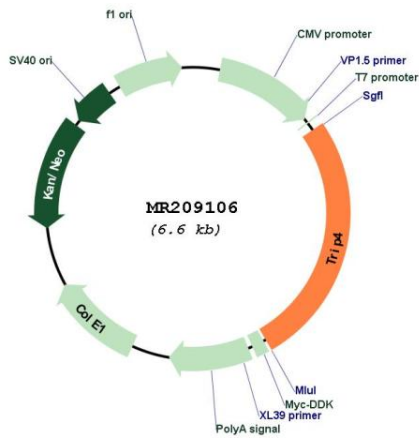
UniProt ID: [Q9QXN3](#)

Cytogenetics: 9 C

MW: 66.2 kDa

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]

Product images:



Circular map for MR209106