

Product datasheet for **MG219827**

Trip4 (NM_001170907) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trip4 (NM_001170907) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trip4
Synonyms:	4930558E03Rik; ASC-1; Asc1; BB191711
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219827 representing NM_001170907
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGTGGCTGGGCGCGCTACCGGGAGCCGCTAGTACACTGGTGCACACAGCAGTTGCAAAAACTT
 TCGCCCTGGATGTCAGCGAGGAAATCATACAATATGTTTTGTCAATTGAGAATGCTGAAGAAATACGAGA
 ATATGTGACAGACCTTCTCCAGGAAATGAGGGCAAAAAGGGTCAATTCATAGAAGATCTTATAACCAAA
 TGGCAAAAGAATGATCAAGAGTTCATCTCTGATTCTTTCAACAGTGCTTGAGAAAAGTGAATTTTAG
 ATGGACAGAGATCAGTGGACCAGCTAAAGCGGAGTAGGAGGAAAGGACGAAACAAACAGGAAGTCTCTGC
 ATTTCTGAACCTGACGTAGCTGTGGAGGTCAAAACACCTTTAGATTTGGCTAAGGCACAAGAAAGCAAC
 AACTCCGTAAGAAGAAGACAAGATTTGTCAATTTATATAAAGAGAGGGACAGGACAAACTGCAGTCC
 TGCTTCTGGTCTCACCCGTGTGATTGCCTGGCCAGAAGCACAACTCATCAATAACTGTCTGGTCTG
 TGGCGGATCGTTTGTGAGCAGGAGGGTTCAGGCCCTGCTTGTCTGTGGCTCTTTGGTGTGACTAAT
 GAAGAACAGGATATTTACAGCGGGACTCAAACAAAAGTCAGAACTGCTGAAGAAGCTCATGTCAGGGG
 CAGAGACTTCTGAAAAGGTGGACGTCTCTACCAAGGACCTACTTCTCATCAAGAATCCCGAATGAAGTC
 TGGTTTGGAGAAGGCTATCAAGCATAAGGAAAACTGTTAGAGTTCGACAGAACGAGTATCCGAAGGACC
 CAAGTTATTGACGATGAATCAGATTACTTTGCCAGTGATTCTAACCAGTGGCTGTCCAAAGTTGAGCGAG
 AAATGCTGCAGAAACGAGAGGAGGAGCTGAGAGAACTCCGACATGCCTCCAGACTTTCTAAGAAAGTGAC
 CATTGACTTCGCGGGCGGAAGATCCTAGAAGTGAATACTAGCAGAGTATCACAGCAGACTAGAT
 GAGACAATAAGCCATTGCCAGTGGGACTTTGAACAGTCACTGGTACGTTGGATAGATCTTGTGAAG
 AGCCTTTGGGAGTCTGGTAAACCCTAACATGTACCAGGCTCTCCTCAGTGGTTGACAACACTGGCTC
 AACCCACAGAAGAAGACTTCACTCTCGCAGGACCAAGACTAGAGCCAGTTTACATCAGCACCAGCTG
 CGAATCCAGGACCAAGAATTCCAGGAAGCTTTGATGGCGGCTGGTGCCTGTCTATGCATCAGCCCTGGG
 CTTCTCTGCTGTGAGGGGATTAAGGGTGGAGGCGAGATCCTGGTACTCCTCACAGAGGAAGACT
 TTGGATAGCAGCCACGGGCAAAAGACTTCCCCTCAGGAAGTCTCAGAACTCCAGGCTACCTATCGTCTT
 CTTCTGGGAAAGATGTGGAGTTTCAAATGACTATCCGTCGGGTTGTCTCTGGGCTGTGTGGACCTTA
 TTGATTGCTTGTCCAGAAACAATTTCAGGAGCAGGAAACTGGATTCCAAGATCCATCAAGGAGCAAAG
 AAGGGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219827 representing NM_001170907
 Red=Cloning site Green=Tags(s)

MAVAGAAYREPLVHWCTQQLQKTFALDVSEEIIQYVLSIENAEIIEYVTDLLQGNEGKKGQFIEDLITK
 WQKNDQEFISDSFQQCLRKDEILDGQRSVDQLKRSRRKGRNKQEVPAFPEPDVAVEVKPLDLAKAQESN
 NSVKKKTRFVNLVTREGQDKLAVLLPGRHPCDCLGQKHKLINNCLVCGRIYCEQEGSGPCLFCGSLVCTN
 EEQDILQRDSNKSQKLLKLMGAETSGKVDVSTKDLLPHQESRMKSGLEKAIKHKEKLLFDRTSIRRT
 QVIDDESDFASDSNQWLSKVEREMLQKREELREL RHASRLSKKVTIDFAGRKILEDENPLAEYHSRLD
 ETIQAIASGTLNQSLVTLDRSCEEPLGVLVNPAMYQASQWVDNTGSTPQKKTSLSAGPRLEPSLHQHQL
 RIQDQEFQEGFDGGWCLSMHQPWASLLVRGIKRVGRSWYTPHRGRLWIAATGKRPSQEVSELQATYRL
 LRGKDVFPNDYPSGCLLGCVDLIDCLSQKQFQEQGNWIPRSIKEQRRG

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001170907

ORF Size: 1617 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_001170907.1](#), [NP_001164378.1](#)

RefSeq Size: 6253 bp

RefSeq ORF: 1620 bp

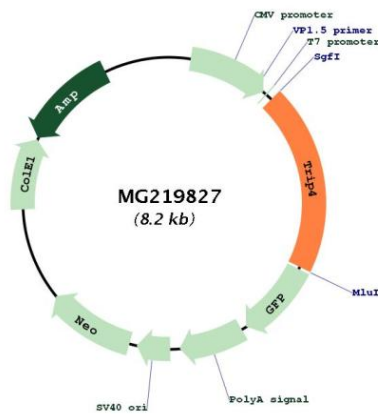
Locus ID: 56404

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]

Product images:



Circular map for MG219827