

## 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGTGGCTGGGGCGCGTACCGGGAGCCGCTAGTACACTGGTGCACACAGCAGTTGCAAAAACTT  
 TCGCCCTGGATGTCAGCGAGGAAATCATACAATATGTTTTGTCAATTGAGAATGCTGAAGAAATACGAGA  
 ATATGTGACAGACCTTCTCCAGGAAATGAGGGCAAAAAGGGTCAATTCATAGAAGATCTTATAACCAAA  
 TGGCAAAAGAATGATCAAGAGTTCATCTCTGATTCTTTCAACAGTGCTTGAGAAAAGTGAATTTTAG  
 ATGGACAGAGATCAGTGGACCAGCTAAAGCGGAGTAGGAGGAAAGGACGAAACAAACAGGAAGTCTCTGC  
 ATTTCTGAACCTGACGTAGCTGTGGAGGTCAAAACACCTTTAGATTTGGCTAAGGCACAAGAAAGCAAC  
 AACTCCGTAAGAAGAAGACAAGATTTGTCAATTTATATAAAGAGAGGGACAGGACAAACTGCAGTCC  
 TGCTTCTGGTCTCACCCGTGTGATTGCCTGGCCAGAAGCACAACTCATCAATAACTGTCTGGTCTG  
 TGGCGGATCGTTTGTGAGCAGGAGGGTTCAGGCCCTGCTTGTCTGTGGCTCTTTGGTGTGACTAAT  
 GAAGAACAGGATATTTTACAGCGGGACTCAAACAAAAGTCAAGAACTGCTGAAGAAGCTCATGTCAGGGG  
 CAGAGACTTCTGAAAAGGTGGACGTCTCTACCAAGGACCTACTTCTCATCAAGAATCCCGAATGAAGTC  
 TGGTTTGGAGAAGGCTATCAAGCATAAGGAAAACTGTTAGAGTTCGACAGAACGAGTATCCGAAGGACC  
 CAAGTTATTGACGATGAATCAGATTACTTTGCCAGTGATTCTAACCAGTGGCTGTCCAAAGTTGAGCGAG  
 AAATGCTGCAGAAACGAGAGGAGGAGCTGAGAGAACTCCGACATGCCTCCAGACTTTCTAAGAAAGTGAC  
 CATTGACTTCGCGGGCGGAAGATCCTAGAAGATGAAAATCCACTAGCAGAGTATCACAGCAGACTAGAT  
 GAGACAATAAGCCATTGCCAGTGGGACTTTGAACCAGTCACTGGTACGTTGGATAGATCTTGTGAAG  
 AGCCTTTGGGAGTCTGGTAAACCCTAACATGTACCAGGCTCTCCTCAGTGGTTGACAACACTGGCTC  
 AACCCACAGAAGAAGACTTCACTCTCGCAGGACCAAGACTAGAGCCAGTTTACATCAGCACCAGCTG  
 CGAATCCAGGACCAAGAATTCCAGGAAGGCTTTGATGGCGGCTGGTGCCTGTCTATGCATCAGCCCTGGG  
 CTTCTCTGCTGTGAGGGGATTAAGGGTGGAGGGCAGATCCTGGTATACTCCTCACAGAGGAAGACT  
 TTGGATAGCAGCCACGGGCAAAAGACTTCCCCTCAGGAAGTCTCAGAACTCCAGGCTACCTATCGTCTT  
 CTTCTGGGAAAGATGTGGAGTTTCCAATGACTATCCGTCGGTTGTCTTCTGGGCTGTGTGGACCTTA  
 TTGATTGCTTGTCCAGAAACAATTTCAGGAGCAGGAAACTGGATTCCAAGATCCATCAAGGAGCAAAG  
 AAGGGGT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG219827 representing NM\_001170907  
 Red=Cloning site Green=Tags(s)

MAVAGAAYREPLVHWCTQQLQKTFALDVSEEIIQYVLSIENAEI REYVTDLLQGNEGKKGQFIEDLITK  
 WQKNDQEFISDSFQQCLRKDEILDGQRSVDQLKRSRRKGRNKQEVPAFPEPDVAVEVKPLDLAKAQESN  
 NSVKKKTRFVNL YTREGQDKLAVLLPGRHPCDCLGQKHKLINNCLVCGRI VCEQEGSGPCLFCGSLVCTN  
 EEQDILQRDSNKSQKLLKLMGAETSGKVDVSTKDLLPHQESRMKSGLEKAIKHKEKLLFDRTSIRRT  
 QVIDDESDFASDSNQWLSKVEREMLQKREELREL RHASRLSKKVTIDFAGRKILEDENPLAEYHSRLD  
 ETIQAIASGTLNQSLVTLDRSCEEPLGVLVNPAMYQASQWVDNTGSTPQKKTSLSAGPRLEPSLHQHQL  
 RIQDQEFQEGFDGGWCLSMHQPWASLLVRGIKRV EGRSWYTPHRGRLWIAATGKRPSQEVSELQATYRL  
 LRGKDVFPNDYPSGCLLGCVDLIDCLSQKQFQEQGNWIPRSIKEQRRG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_001170907
<b>ORF Size:</b>	1617 bp
<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_001170907.1</a> , <a href="#">NP_001164378.1</a>
<b>RefSeq Size:</b>	6253 bp
<b>RefSeq ORF:</b>	1620 bp
<b>Locus ID:</b>	56404
<b>UniProt ID:</b>	<a href="#">Q9QXN3</a>
<b>Cytogenetics:</b>	9 C
<b>Gene Summary:</b>	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]