

## Product datasheet for **MG208703**

### Trip10 (NM\_134125) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trip10 (NM_134125) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trip10
Synonyms:	A1646975; Cip4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG208703 representing NM\_134125  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATTGGGGTACCGAGTTGTGGGATCAGTTTGGAGTGTGGAACGCCACACGCAGTGGGGCTGGATT  
 TGTGGACAAATACGTGAAGTTCGTGAAAGAACCGCGGAGGTGGAGCAGGCTTATGCTAAGCAACTCCG  
 GAGCCTGGTGAAAAAGTATCTTCCCAAGAGACCTACCAAAGATGACCCTGAAGTCAAGTTCAGCCAGCAG  
 CAGTCATTTGTCCAGTTCTCCAGGAGTCAATGACTTCGCAGGCCAGAGAGAGCTGGTGGCTGAGAGCC  
 TCGGTATCCGAGTGTGTCTGGAGCTGGTAAGTATTCACAGGAGATGAAGCAGGAGAGGAAGATGCACTT  
 CCAGGAAGGTCTCGGGCCAGCAGCAGCTGGAGAATGGCTTCAAACAGCTGGAGAATAGTAAGCGGAAG  
 TTTGAACGAGATTGCCGGGAGGCTGAGAAAGCGGCTCACACTGCTGAGCGCTAGATCAGGACATTAATG  
 CCACCAAGGCGGATGTGGAGAAGCCAAGCAGCAAGCTCACCTTCGGAACCACATGGCAGAAGAGAGCAA  
 GAATGAATATGCGGCCAGCTGCAGCGTTCAACCGAGACCAGGCTCACTTCTACTTCTCACAGATGCC  
 CAGATATTCGATAAGCTGCAGGACATGGACGAACGCCGGCCACCCGCTGGGGCCGGGTATGGGCTCT  
 TATCAGAGGCTGAACTGCAGGTGGTCCCATTTATGGCAATGCTTGGAGGGCATGAAGTGGCCCGCA  
 GTCTGTGGATGCTAAGAACGACTCACAGTCTCATCGAATTACACAAGTCCGGGTTTGCCCGCCAGGG  
 GACTTGAATTTGAAGACTTTAGCCAAGTTATCAACCGAGTGCCTTCGGACAGCAGCCTGGGCACCCCGG  
 ATGGCAGGCTGAGCTCCGAGCAGCCTCCAGCCGTAGCCGCGCCAAGCGTTGGCCTTTCCGGAAAAAGAA  
 CAAGACCGTGGTACCGAAGATTTAGTCACTTGGCCCGGAGCAGCAGAGAAAGCGACTTCAGCAACAG  
 CTGGAAGAGCGGAACCGAGAGTTGCAGAAGGAGGAGGACCAGAGGGAGGCCCTGAAGAAGATGAAAGATG  
 TATATGAGAAAAACACCACAAATGGGGACCCTGCCAGCTTAGAGCCCGCATTGCAGACCCCTGGGCAA  
 CATTGAGAGGCTGAAGTTGGAAGTGCAGAAGTATGAGGCTTGGTTGGCAGAAGCTGAAAGCCGGGTCTC  
 AGTAACCGAGGGGACAGCCTAAGCCGTACGCTAGGCCCCCTGATCCCCAACTACTGCCCCACCTGATA  
 GCAGCAGTAGCAGCACCAACAGTGGATCCAGGACAATAAGGAGAGCAGCTCAGAAGAGCCCTTCAGA  
 AGGCCAGGACACCCCATCTATACTGAGTTCGATGAGGACTTTGAGGAGCCTGCATCCCCTATCGGCCAG  
 TGTGTGGCTATCTACATTTTGAAGGATCCAGCGAGGGAACCGTCTCCATGTCCGAGGGGAAGACCTCA  
 GCCTGATGGAGGAAGACAAGGTGATGGATGGACGCGGTCAGGAGGAAACAGGGAGCTGAGGGCTACGT  
 GCCCACCTTTACCTCCGAGTCACACTCAAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208703 representing NM\_134125  
 Red=Cloning site Green=Tags(s)

MDWGTTELWDQFEVLERHTQWGLDLLDKYVKFVKERAEEVQAYAKQLRSLVKKYLPRKPTKDDPEVKFSQQ  
 QSFVQLLQEVNDFAGQRELVAESLGIRVCLLAKYSQEMKQERKMHFQEGRRQQQLENGFKQLENSKRK  
 FERDCREAEKAAHTAERLDQDINATKADVEKAKQQAHLRNHMAEESKNEYAAQLQRFNRDQAHFYFSQMP  
 QIFDKLQDMDERRATRLGAGYGLLSEAELQVVPPIIGKCLEGMKVAAESVDAKNDQVLIELHKSQGFARPG  
 DLEFEDFSQVINRVPSDSSLGTPDGRPELRAASSRSRAKRWPFKKNKTVAATEDFSHLPPEQQRKRLQQQ  
 LEERNRELQKEEDQREALKMKDVYEKTPQMGDPASLEPRIAETLGNIERLKLEVQKYEAWLAEAESRVL  
 SNRGDSL SRHARPPDPTTAPPDSSSSSTNSGSQDNKESSEEPPEQDTPITYEFDDED FEEPASPIGQ  
 CVAIYHFEGSSEGTVSMSEGEDLSLMEEDKGDGWTRVRRKQGAEGYVPTS YLRVTLN

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

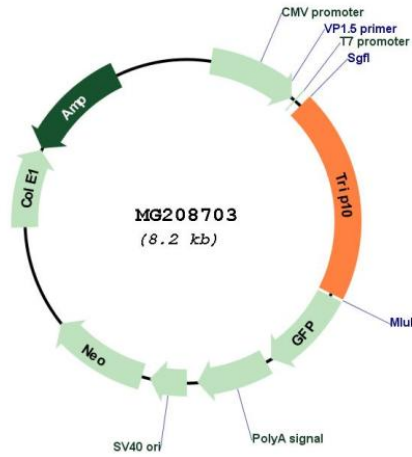
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_134125
<b>ORF Size:</b>	1641 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_134125.4</a>
<b>RefSeq Size:</b>	2033 bp
<b>RefSeq ORF:</b>	1644 bp
<b>Locus ID:</b>	106628
<b>UniProt ID:</b>	<a href="#">Q8CJ53</a>
<b>Cytogenetics:</b>	17 D
<b>Gene Summary:</b>	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]