

Product datasheet for **MG222082**

Trip6 (NM_011639) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trip6 (NM_011639) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trip6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222082 representing NM_011639
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGGGCCACCTGGCTTCCCCGAAGCAGCCAGAACCCTCCAGACTCCCTCAGGGGAGATCGCTGC
 CCAGAGGGCGCCCTGGGCCCGCCAACGGGCCACGGAGCAAACTCCAGCCTCACCCAGGGTCAACTTTTG
 CCCCCTCCCGCTGAACACTGTTATCAGCCTCCGGGGGTACCGGAAGATCGGGGGCTACTTGGGTGGGA
 TCCCATGGAACACCCAGCGCCTGCAGGGGCTCCCTCCAGACAGGGGGATCATCCGCCCTGGCAGTCTGG
 ATGCTGAGATAGATTGCTCACCAGCATGTTGGCTGATCTGGACGGGGTTCGCAGTATGCACCTAGGCG
 GCCAGACAGACAGGCTTTTGGGCTCCCCACCCATGCTTACCGCGGAGGCTCCCTGAAGCCCAGTGGGA
 GGTGCTGTTCAAACCCGATGCTCCAGCATCCCACTATGGTGGACCTACCCAGCCTCCTATGCTACCG
 CGAGCACGCCAGCTGGCCCTGCTTCCCTGTACAAGTGAAGGTGGCTCAACCTGTGAGAGGCTGTGGACT
 GCCCAGGGCAGGGGCTCTCAGGCCTCTGGGCCTTCCAGGCCCCACTTTCTCTGACAGGTCGTGGT
 GAAGTCTGGGGGGCTGGCTATAGAAGCCACCGAGAGCCAGGACCGGGGGTCCGGAGGGACTTCTGGAG
 TACATATCCCTGCAGGAGGAGGGAGAGGAGGTGGGCATGAGCCTCAGGGCCCTTAGGCCAACCTCCTGA
 AGAGAACTGGAGAGACTGACCAAGAACTGGTGCATGACATGAGCCACCTCCCAGTGGGGAGTACTTT
 GGTTCGGTGTGGTGGCTGTGGCGAAGATGTGGTGGGCGATGGAGCTGGGGTGTGGCCCTGGACCGTGTCT
 TCCATATTGGTTGCTTTGTGTGTTTACCTGTCCGGGCCAGCTCCGGGGCCAGCACTTCTATGCTGTGGA
 GAGGCGGGCATATTGTGAGAGCTGCTATGTGGCCACCTGGAGAAATGTTCCACATGCTCTGAACCCATC
 CTGGACCGAATCCTGAGGGCTATGGGGAAGGCGTACCACCTGGTTGCTTCACTGTGTGGTATGCCACC
 GTGGTCTTGATGGCATCCCGTTCACAGTGGACGCCACCAGCAGATCCACTGCATTGAAGATTTCCACAG
 GAAATTTGCCCCACGATGCTCAGTGTGGTGGGGCCATCATGCCGGAACCAGGTCAGGAGGAGACGGTG
 AGAATTGTTGCTCTGGATCGAAGTTTCCACATCGGCTGTTACAAGTGTGAGGAGTGTGGGCTGCTGCTGT
 CCTCTGAGGGAGAGTGTCAAGGCTGCTACCCGCTGGATGGGCACATCTTGTGCAAGGCTTGCAGCGCCTG
 CGGTATCCAAGAGCTCTCAGCCACTGTCACCACTGATTGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG222082 representing NM_011639
 Red=Cloning site Green=Tags(s)

MSGPTWLPPKQPEPSRLPQGRSLPRGALGPPTAHGATLQPHPRVNFCLPPEHCYQPPGVPEDRGPTWVG
 SHGTPQRLQGLPPDRGIIRPGSLDAEIDSLTSMADLDGGRSHAPRRPDRQAFEAPPPHAYRGGSLKPSG
 GAVPTPMLPASHYGGPTPASYATASTPAGPAFPVQVKAQPVVRCGLPRRGASQASGPLGPHFPLTGRG
 EVWGAGYRSHREPGVPEGPSVHVPAGGGGGHEPQGPLGQPPEEELERLTKKLVDHMSHPPSGEYF
 GRCGGCGEDVVDGAGVVALDRVFHIGCFVCSTCRAQLRGQHFYAVERRAYCESCVVATLEKSTCSEPI
 LDRILRAMGKAYHPGCFTCVVCHRGLDGIPTVDATSIHICIEDFHRKFAPRCSVCGGAIMPEPGQEETV
 RIVALDRSFHIGCYKCEECGLLLSSEGECQGCYPLDGHILCKACSAWRIQELSATVTTDC

TRTRPLE – GFP Tag – V

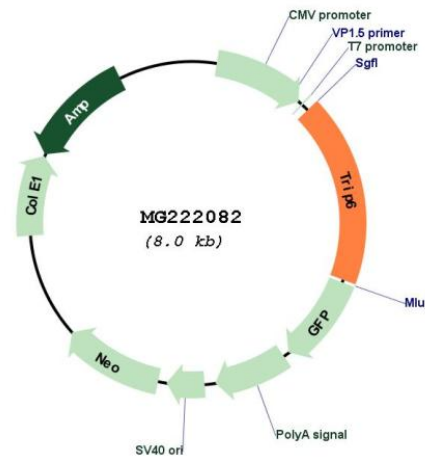
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011639

ORF Size: 1440 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_011639.3](#), [NP_035769.1](#)

RefSeq Size: 1760 bp

RefSeq ORF: 1443 bp

Locus ID: 22051

UniProt ID: [Q9Z1Y4](#)

Cytogenetics: 5 G2

Gene Summary: Relays signals from the cell surface to the nucleus to weaken adherens junction and promote actin cytoskeleton reorganization and cell invasiveness. Involved in lysophosphatidic acid-induced cell adhesion and migration. Acts as a transcriptional coactivator for NF-kappa-B and JUN, and mediates the transrepression of these transcription factors induced by glucocorticoid receptor (By similarity).[UniProtKB/Swiss-Prot Function]