

Product datasheet for **MR230459**

Trip10 (NM_001242391) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trip10 (NM_001242391) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trip10
Synonyms:	A1646975; Cip4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230459 representing NM_001242391
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTGGGGTACCGAGTTGTGGGATCAGTTTGGAGTGTGGAACGCCACACGCAGTGGGGCTGGATT
 TGTGGACAAATACGTGAAGTTCGTGAAAGAACGCGCGGAGGTGGAGCAGGCTTATGCTAAGCAACTCCG
 GAGCCTGGTGAAAAAGTATCTTCCCAAGAGACCTACCAAAGATGACCCTGAAGTCAAGTTCAGCCAGCAG
 CAGTCATTTGTCCAGTTCTCCAGGAGTCAATGACTTCGCAGGCCAGAGAGAGCTGGTGGCTGAGAGCC
 TCGGTATCCGAGTGTGTCTGGAGCTGGTAAGTATTCACAGGAGATGAAGCAGGAGAGGAAGATGCACTT
 CCAGGAAGGTCTCGGGCCAGCAGCAGCTGGAGAATGGCTTCAAACAGCTGGAGAATAGTAAGCGGAAG
 TTTGAACGAGATTGCCGGGAGGCTGAGAAAGCGGCTCACACTGCTGAGCGCTAGATCAGGACATTAATG
 CCACCAAGGCGGATGTGGAGAAGGCCAAGCAGCAAGCTCACCTTCGGAACCACATGGCAGAAGAGAGCAA
 GAATGAATATGCGGCCAGCTGCAGCGCTCAACCGAGACCAGGCTCACTTCTACTTCTCACAGATGCC
 CAGATATTCGATAAGCTGCAGGACATGGACGAACGCCGGCCACCCGCTGGGGGCGGGTATGGGCTCT
 TATCAGAGGCTGAACTGCAGGTGGTCCCATTTATGGCAAATGCTTGGAGGGCATGAAGGTGGCCCGCA
 GTCTGTGGATGCTAAGAACGACTCACAGTCTCATCGAATTACACAAGTCCGGGTTTGCCCGCCAGGG
 GACTTGAATTTGAAGACTTTAGCCAAGTTATCAACCGAGTGCCTTCGGACAGCAGCCTGGGCACCCCGG
 ATGGCAGGCTGAGCTCCGAGCAGCCTCCAGCCGTAGCCGCGCCAAGCGTTGGCCTTTGGGAAAAAGAA
 CAAGACCGTGGTACCGAAGATTCAGTCACTTGGCCCGGAGCAGCAGAGAAAGCGACTTCAGCAACAG
 CTGGAAGAGCGGAACCGAGAGTTGCAGAAGGAGGAGGACCAGAGGGAGGCCCTGAAGAAGATGAAAGATG
 TATATGAGAAAAACACCACAAATGGGGACCCTGCCAGCTTAGAGCCCGCATTGCAGAACCCCTGGGCAA
 CATTGAGAGGCTGAAGTTGGAAGTGCAGAAGTATGAGGCTTGGTTGGCAGAAGCTGAAAGCCGGTCTCC
 AGTAACCGAGGGGACAGCCTAAGCCGTACGCTAGGCCCCCTGATCCCCAACTACTGCCCCACCTGATA
 GCAGCAGTAGCAGCACCAACAGTGGATCCAGGACAATAAGGAGAGCTCAGAAGAGCCCCCTTCAGAAGG
 CCAGGACACCCCATCTATACTGAGTTCGATGAGGACTTTGAGGAGCCTGCATCCCTATCGGCCAGTGT
 GTGGCTATCTACCATTTGAAGGATCCAGCGAGGGAACCGTCTCCATGTCCGAGGGGAAGACCTCAGCC
 TGATGGAGGAAGACAAGGGTGTGGATGGACGCGGGTCCAGGAGGAACAGGGAGCTGAGGGCTACGTGCC
 CACCTCTACCTCCGAGTCACACTCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230459 representing NM_001242391
 Red=Cloning site Green=Tags(s)

MDWGTTELWDQFEVLERHTQWGLDLLDKYVKFVKERAEEVQAYAKQLRSLVKKYLPKRPTKDDPEVKFSQQ
 QSFVQLLQEVNDFAGQRELVAESLGIRVCLLAKYSQEMKQERKMHFQEGRRAQQQLENGFKQLENSKRK
 FERDCREAEKAAHTAERLDQDINATKADVEKAKQQAHLRNHMAEESKNEYAAQLQRFNRDQAHFYFSQMP
 QIFDKLQDMDERRATRLGAGYGLLSEAELQVVP IIGKCLEGMKVAAESVDAKNSQVLIELHKS GFARPG
 DLEFEDFSQVINRVPSDSSLGTPDGRPELRAASSRSRAKRWPF GKKNKT VATEDF SHLPPEQQRKRLQQQ
 LEERNRELQKEEDQREALKMKMDVYEKTPQMGPASLEPRIAETLGNIERLKLEVQKYEAWLAEAESRVL
 SNRGDSL SRHARPPDPTTAPPDSSSSSTNSGSQDNKESSEPPSEGQDTP IYTEFDEDFEEPASPIGQC
 VAIYHFEGSSEGTVSMSEGEDLSLMEEDKGDGWTRVRRKQGAEGYVPTS YLRLVTLN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

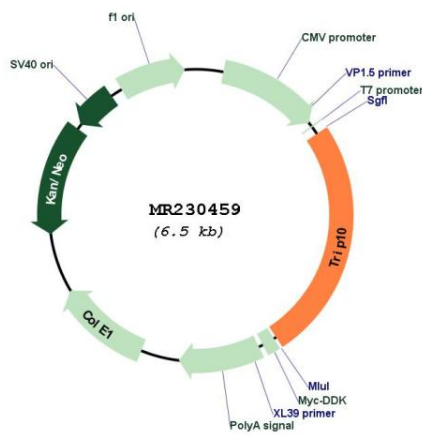
Sgfl-MluI

Cytogenetics: 17 D

MW: 63 kDa

Gene Summary: 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]

Product images:



Circular map for MR230459