

Product datasheet for **MR207523**

Traip (NM_011634) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Traip (NM_011634) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Traip
Synonyms:	Trip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207523 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTATCCGCGCTCTGTGCACTATCTGCTCCGACTTCTTCGATCACTCCCGTGACGTGGCTGCCATCC
 ACTGTGGCCACACTTTTCATCTGCAATGCCTAATCCAGTGGTTTGAGACAGCACCAAGTCGGACCTGCC
 ACAGTGTAGAATCCAGGTTGGCAAAAAGACTATTATAAACTTTTCTTTGACCTCGCCAGGAAGAG
 GAGAATGTCTGGATGCAGAATCTTAAAGAATGAACTGGACAGCGTCAAAGCTCAGCTTTCCAGAAAG
 ACAGGGAGAAACGGGACAGCCAGGCCATTATCGACACTCTACGGGACACCCTGGAAGAACGCAATGCTAC
 TGTGGAGTCCCTACAGAAGCGCTTAAACAAGGCAGAGATGCTGTGTTCCACCCTGAAAAACAGATGAAG
 TTCCTGGAGCAGCGCAGGATGAGACCAACAAGCTCGGGAGGAGGCCACCGACTCAAGTGCAAGATGA
 AAACCATGGAGCAAATTGAGCTCTACTCCAGAGCCAGCGGTCTGAGGTGGAGGAGATGATTCGAGACAT
 GGGTGTGGGACAGTCAGCGGTGGAGCAGCTGGCTGTGTACTGCGTGTCCCTCAAGAAAGAGTATGAGAAT
 CTGAAGGAAGCTCGGAAGGCCACAGGGAACTGGCTGACAGGTTGAAGAAGGATTTGGTGTCTCTAGGA
 GTAAGTTGAAGACTCTCAACACTGAGCTGGATCAGGCCAAGTTAGAAGTGAAGTCAAGCCAGAAGGACTT
 ACAAAAGTCTGACCAGGAGATCATGAGCCTAAGAAAGAAGCTGATGATCCTCCAGGGAACCTTGAGCCTG
 CCTCCGGCGACCAATGAGACGGTCAGCCGCTGGTTTTTGAGAGCCAGCCCTGTGGAGATGATGAACC
 CGAGGCTTACCAGCCACCCTTCGGTGTGAGATTGATCTCAATACCACCTTTGATGTAATACCCCTCC
 AACCCAGACCTCTGGCTCCCAGCATTGCCTCCCAAGAAGCTGTGCTGGAGAGGGCAGCCTCTCCCATG
 CAGAATGTCTCAAGAAGGTGCACAAAGTCTCCAAGCCGAGTCCAGCTCTCACTGGGTGGCCAGCGAT
 GTGTAGGAGACTAGATGAGGAAGTGGTGGTGCCTTCCCTCTTTCATCCGGAATGCTGCTCTGGTCA
 GAAACAGCCCAACAGGACCACAGCAGAATCCCGTTGACGACAGATGTGGTAAGAATAGGCTTTGATGGG
 CTTGGAGGACGAACAAAATTCATCCAGCCTAGGGACACAACCATTATCCGACCAGTGCCTGTTAAGTCCA
 AGGCCAAGAGTAAACAGAAAGTGAATAAAGACTGTGAGTTCTGCCTCCAGCCCAAGCTGGATACCTT
 TTTATGTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207523 protein sequence
 Red=Cloning site Green=Tags(s)

MPIRALCTICSDFFDHSRDVAAIHCGHFHLQCLIQWFETAPSRTCPCQRIQVGKKTIIINKLFFDLAQEE
 ENVLDAEFLKNELDSVKAQLSQKDREKRSQAIIDTLRDTLEERNATVESLQNALNKAEMLCSTLKKQMK
 FLEQRQDETKQAREEAHRLKCKMKTMEQIELLLQSQRSEVEEMIRDMGVGQSAVEQLAVYCVSLKKEYEN
 LKEARKATGELADRLKKDLVSSRSKLTNTELDQAKLELRSQKDLQSDQEIIMSLRKKLMILQGTLSL
 PPATNETVSRVLFESPAPVEMMNPRLHQPPFGDEIDLNTTFDVNTPPTQTSQSQHCLPKKLCLEERASPM
 QNVLKVKVHKVPESQLSLGGQRCVGGELDEELAGAFPLFIRNAVLGQKQPNRTAESRCDSTDVVIRIGFDG
 LGGRTKFIQPRDTTIIRPVPVSKAKSKQKVRITVSSASQPKLDTFLCQ

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_011634

ORF Size: 1413 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_011634.2](#), [NM_011634.3](#), [NP_035764.2](#)
RefSeq Size: 2697 bp

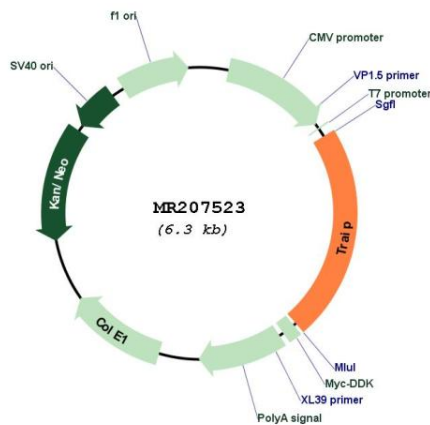
RefSeq ORF: 1413 bp

Locus ID: 22036

UniProt ID: [Q8VIG6](#)

Cytogenetics:	9 59.07 cM
MW:	53.2 kDa
Gene Summary:	E3 ubiquitin ligase acting as a negative regulator of innate immune signaling. Inhibits activation of NF-kappa-B mediated by TNF. Negatively regulates TLR3/4- and RIG-I-mediated IRF3 activation and subsequent IFNB1 production and cellular antiviral response by promoting 'Lys-48'-linked polyubiquitination of TNK1 leading to its proteasomal degradation (By similarity) (PubMed:17544371, PubMed:22945920). Involved in response to genotoxic lesions during genome replication. Promotes H2AX and RPA2 phosphorylation after replication-associated DNA damage and assists fork progression at UV-induced replication-blocking lesions during S phase. Might also play a role in promoting translesion synthesis by mediating the assembly of 'Lys-63'-linked poly-ubiquitin chains on the Y-family polymerase POLN in order to facilitate bypass of DNA lesions and preserve genomic integrity. The function in translesion synthesis is controversial (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207523