

Product datasheet for MC215846

Trim14 (NM_029077) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trim14 (NM_029077) Mouse Untagged Clone
Tag: Tag Free
Symbol: Trim14
Synonyms: 5830400N10Rik; pub
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215846 representing NM_029077
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGAGCGAGACTACCGAGGCGGGCGCCCTTTCAGCCCGACGGGGCGTATGGCTGGCGCTGTCCGG
 AGCACAGCGAACGCCCGCTGAGCTCTTCTGTCGCCGTGCGGCCGTGTGTGTGCGCGCTGTCCCGGT
 TCTGGGTGCGCACCGCGCCACCCGGTGGCCTGGCCGAGGAGGCTGTGCGTGTGCAGAAGCTAATC
 CAGGACTGTTTAGAGTGTGGCAACCAAGAAGAGGCAACATGCGGACAACATAGCCATTTGGAAGACG
 CCGGGAAAGGCTCAAGTTTACGAGACTCAAGTAAAGCCTGGCTGACACAGAAATTCACAGAACTCAG
 ATTACTCTGGATGAAGAGGAAGTACTGGCAAAAAATTCATTGACAAAAGCACACAGCTCACCTCCAG
 GTGTACCGGGAGCAAGCCGAGACTTGTGGGAAGCAGATTGAGGTCATGGATGACTTCTCTACCAGGGTGT
 GGGCATTGGCCAGGAGCCCAACCCTGTTCAGCTGCTGCAGGCATATATAGCCACCAAGACAGAGATGG
 ACAGCAGATGAGCCCCTCGGAGCTGAGCCACCTGTGCCCTGTCCTTCGAGCCTGTCAAGAACTCTTT
 AAGGAGTTTGTGGAAGCCATCGGAACACGTTGCAGACACCAATGGACTACTCGCTGAAGGAAAACATAA
 ACTGCCAGCTTCAAACCTCCAGCACCAAGCCAGGCGCTTGTGAAAACAGCCCCTCGCCAGAGAG
 AGCTCTCTTCTGAAATACGCCGTACGCCAACGCTGGACCCGGACACGATGCACGCGCGCTGCGCCTG
 TCGCCGGACGGTCTGACAGTCCGCTGCTCGCTGCTGGGTGCGCTGGGGCCGCGTCCCGCGCCGCGTTCCG
 ACGCGCTGCGGCAGGTGCTGGGCCGCGACGGCTTTCGACGCGGACGCCACTACTGGGAGGTGGACGTGCA
 GGAGGCCGGTGTGGCTGGTGGGTGGGCGGGCGTACCCGTGCTGCGCCGCGCGGAGCCTCCGCCGCC
 GCCCGCTGGGCTGCAACCGGAGTCTGGTGGTAAAGCGTTACGACCTAGAGTACTGGCCTTCCATG
 ACGGCCAGCGAAGTGCCTGCGGCCCGCGGACCCCAACCGGCTCGGCGTCTTCTGGACTACGAGGC
 CGGCATTCTGGCCTTCTACGACGTGGCGGGTGGCATGAGCCACTGCACACCTTCCACGCCCTCCAG
 GAGCCGCTCTATCCAGCCCTGCGCCTCTGGGAGGGGCCATCAGCATCCCTAGGTTGCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_029077
Insert Size:	1323 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_029077.4 , NP_083353.1
RefSeq Size:	3204 bp
RefSeq ORF:	1323 bp
Locus ID:	74735
UniProt ID:	Q8BVW3
Cytogenetics:	4 B1
Gene Summary:	Plays a role in the innate immune defense against viruses. Facilitates the type I IFN response by interacting with MAVS at the outer mitochondria membrane and thereby recruiting NF-kappa-B essential modulator IKBKG/NEMO to the MAVS signalosome, leading to the activation of both the IFN regulatory factor 3/IRF3 and NF-kappa-B pathways. Positively regulates the CGAS-induced type I interferon signaling pathway by stabilizing CGAS and inhibiting its autophagic degradation (PubMed:27666593). Inhibits the transcriptional activity of SPI1 in a dose-dependent manner (PubMed:14592421).[UniProtKB/Swiss-Prot Function]