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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC215846 representing NM_029077
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGAGCGAGACTACCGAGGCGCGGGCGCCCTTTCAGCCCGACGGGGCGTATGGCTGGCGCTGTCCGG
AGCACAGCGAACGCCCGGCTGAGCTCTTCTGTCGCCGCTGCGGCCGCTGTGTGTGCGCGCTCTGCCCGGT
TCTGGGTGCGCACCGCGGCCACCCGGTGGGCCTGGCCGAGGAGGAGGCTGTGCGTGTGCAGAAGCTAATC
CAGGACTGTTTAGAGTGTTTGGCAACCAAGAAGAGGCAACATGCGGACAACATAGCCCATTTGGAAGACG
CCGGGGAAAGGCTCAAGGTTTACGCAGACTCAAGTAAAGCCTGGCTGACACAGAAATTCACAGAACTCAG
ATTACTCCTGGATGAAGAGGAAGTACTGGCCAAAAAATTCATTGACAAAAGCACACAGCTCACCCTCCAG
GTGTACCGGGAGCAAGCCGAGACTTGTGGGAAGCAGATTGAGGTCATGGATGACTTCTCTACCAGGGTGT
GGGGCATTGGCCAGGAGCCCAACCCTGTTCAGCTGCTGCAGGCATATATAGCCACCAAGACAGAGATGGG
ACAGCAGATGAGCCCCTCGGAGCTGAGCCACCCTGTGCCCCTGTCCTTCGAGCCTGTCAAGAACTTCTTT
AAGGAGTTTGTGGAAGCCATCGGGAACACGTTGCAGACACCAATGGACACTCGCCTGAAGGAAAACATAA
ACTGCCAGCTTTCAAACTCCTCCAGCACCAAGCCAGGCGCCTTGTTGAAAACCAGCCCCTCGCCAGAGAG
AGCTCTCTTCTTGAAATACGCCCGTACGCCAACGCTGGACCCGGACACGATGCACGCGCGCCTGCGCCTG
TCGCCGGACGGTCTGACAGTCCGCTGCTCGCTGCTGGGTCGCCTGGGGCCGCGTCCCGCGCCGCGGTTCG
ACGCGCTGCGGCAGGTGCTGGGCCGCGACGGCTTCGCAGCCGGACGCCACTACTGGGAGGTGGACGTGCA
GGAGGCCGGTGTGGGCTGGTGGGTGGGCGCGGCGTACCCGTCGCTGCGCCGCCGCGGAGCCTCCGCCGCC
GCCCGCCTGGGCTGCAACCGCGAGTCGTGGTGCGTAAAGCGTTACGACCTAGAGTACTGGGCCTTCCATG
ACGGCCAGCGAAGTCGCCTGCGGCCCCGCCGCGACCCCCACCGGCTCGGCGTCTTCCTGGACTACGAGGC
CGGCATTCTGGCCTTCTACGACGTGGCGGGTGGCATGAGCCACTTGCACACCTTCCACGCCGCCTTCCAG
GAGCCGCTCTATCCAGCCCTGCGCCTCTGGGAGGGGCCCATCAGCATCCCTAGGTTGCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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:
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

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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]

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