

Product datasheet for **MC214490**

Trif1 (NM_001039478) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trif1 (NM_001039478) Mouse Untagged Clone
Tag: Tag Free
Symbol: Trif1
Synonyms: 2010012G17Rik; 4933421E11Rik; A1450568
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214490 representing NM_001039478
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGGCGGGACCCGCGCAAGGAGCAGGGCAAACAAGGCAAAGCCGACGCAGTATGAGATGGCATCAA
TAGTAAAAAGGAAATTCAGAAAAAGGAAATAACAAGAAATATTCTCAAGGAAGCCATACTAATATTAA
GGCATCATGTCTGAAGAATGATGCTGAATTTAAAAAGCTATTTGGTCTCACTAAAGATTTGAGAGTATGT
CTTACTCGAATTCCTGACCATCTGAGCTCTGGAAAAAGTTTTAATTCCTTTAACAGTTTGATGAAAAGTA
GTTCTTACAAAGATGCAACATTGTGGTGAAGAAAGAAGAAAAAACAGAGTTTCTCTAAGAAAAAGAAA
AGCGGAAACCATGAAGATGGGTAAACAAAAAAGATAAAAATTGAGAATGCTGATGACACGGTCATGAGC
ATCATGAATGGAAGTGTGCTAGTTCACCACTCTCAGTAGTATTTACCAACATCAGACATATCAC
AACATAACATTGTCACAAGCCATAGTACAACCAGGGAAGACAAGAGAAGTGGCCAGAACACTGTTCTCA
TGAGAAGCAGGAAAAAGGCACATTAAGTTCAAGCACATCTTTGAACAAAGTACTTTTTAAATAAAAAAC
TTTATGGAAGATTTTTCCAGTGACACCACGAACTAGAAGAAACATCAGAGATGAAAAATAAGAA
GACTTAAGCAAATTTTAAGAGAAAAAGAAGCAGCTCTTGAAGAATTGCGTAAGAAGATGTACCAAAAAACA
ATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001039478
Insert Size: 774 bp



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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:	<u>NM_001039478.1</u> , <u>NP_001034567.1</u>
RefSeq Size:	1612 bp
RefSeq ORF:	774 bp
Locus ID:	321000
Cytogenetics:	3 F2.3
Gene Summary:	<p>Together with SMCHD1, involved in chromosome X inactivation in females by promoting the compaction of heterochromatin. Also able to repress the ligand-induced transcriptional activity of retinoic acid receptor alpha (RARA), possibly through direct recruitment of histone deacetylases.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) contains an alternate 5' terminal exon, lacks a portion of the 5' coding region and initiates translation at an alternate start codon compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.</p>