

Product datasheet for MC214545

Trem12 (NM_001033405) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trem12 (NM_001033405) Mouse Untagged Clone
Tag: Tag Free
Symbol: Trem12
Synonyms: AW049306; Gm750; Tlt2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214545 representing NM_001033405
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

**ATGGAGCCATGGCCTCTACGTTCTGCTGTTGCTGCTGCTGCTGCTGTGGCTACAGGGCTGTGTCTCAG
GTCACTCCAATGAGAACCTGTACAGGAAAGTGTGGCGCGTGAAGGCCGAGACCCTGTCTGTGCAGTGCTC
CTACAAGAACCGCGGAACCTTAGTTGAGGCCAAGTCTTGGTGCAAAGTCAAGAAGAAGTGCAGACCAC
AACTTCACCCGGAGCTGGGTGAGGGGTCCAGCTACTCTCTGCGGATGATGCCAAGGTCAGGTAAGTCC
GTATCACCATGGAAGCTCTCAGAGTTCAGGACTCCGGACGATACTGGTGTATGCGTAACACGGCTGGGCA
TTTCTACCCTTTGGTGGGTTTCCAAGTGTATCCAGCCCTCACAAGTGCAGAGAAACGTTCCCCAC
ACACATCTTACCAACACCCCATGGATGGATTTGTCAAGCCGGCCAAAGTCCATATTTTCAGACCCCTCAG
CTCCTTTACATCTGACGTGACTATGTTACATCTGAAGTGACCATGTTACATCTGGACTCCTCACCTT
GGCTTCAGGGACCACCACCAACCCCTGTGACAGGCTACAGTTTCATCGATACCAAGTGGCACCCTTACA
GAGCCTGAGAGGAACACAGAGTCCAGCCCGCAACCCGTCTCCTAGCAATGCAAGATCCTTCTCTGCTG
ATCCAGTGACCACCTCCACCATGTCAGACACCAGAGTACGAGCTTGTCCACCACGGGGACGTCGCCACCC
GTTAACTCCAACAGGTCAGGAACTTACATCCCTGCGATGGTGGTGGTTGACATTTCTTCAGCA
CCTGTGGTGTGGTCTGAGCCTACGGGTTTGGGAAGAAGAGACATATGGGAAGATACAAGTGGGCAGCA
ACTATGCTAAACCTGGATACACCTTCTGAAGGACCAGAGACCCGTGGAAGCCTGCTTGGTCTAAGAT
AACTCAGTGA**

ACGCGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033405



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Insert Size:	990 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001033405.2 , NP_001028577.2
RefSeq Size:	4509 bp
RefSeq ORF:	990 bp
Locus ID:	328833
UniProt ID:	Q2LA85
Cytogenetics:	17 C
Gene Summary:	<p>Cell surface receptor that may play a role in the innate and adaptive immune response. Acts as a counter-receptor for CD276 and interaction with CD276 on T-cells enhances T-cell activation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by mRNA and EST alignments.</p>