

Product datasheet for MR219079

Trem1 (NM_021406) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Trem1 (NM_021406) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Trem1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR219079 representing NM_021406
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGAAGGCTGGGCTCTGGGACTGCTGTGCGTGTCTTTGTCTCAGAAGTCAAAGCTGCCATTGTTCTAGAGGAAGAAAGGTATGACCTAGTGGAGGGCCAGACTTTGACAGTGAAGTGCCCTTCAACATCATGAA
 GTATGCCAACAGCCAGAAGGCTTGGCAGAGACTACCAGACGGGAAGGAACCCCTTGACCCTGGTGGTCACACAGAGGCCCTTTACAAGACCCAGTGAAGTCCACATGGGGAAGTTCACCCCTGAAACATGACCCTAGTGAGG
 CCATGCTACAAGTTCAAATGACTGACCTTCAAGTGACAGACTCTGGATTGTATCGTTGTGTGATTTACCATCTCCGAATGACCCTGTTGTGCTCTTCCATCCTGTCCGCTGGTGGTGACCAAGGGTCTTCAGATGTG
 TCACTCCTGTATCATTCTATTACAAGGCTGACAGAGCGTCCCATCCTTATTACCACAAAATACTCACCCAGTGACACAATAACAACCCGATCCCTACCCAAGCCCACTGCGGTTGTTTCTCTCTCTGGTCTTGGAGT
 CACTATCATAAATGGGACAGATGCTGACAGTGTCTCCACATCCAGTGTTACTATTTTCAGTCATCTGTGGA
 CTTCTCAGCAAGAGCCTGGTTTTTCATCATCTTATTATTGTCACAAGAGGACATTTGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219079 representing NM_021406
 Red=Cloning site Green=Tags(s)

MRKAGLWGLLCVFFVSEVKAAIVLEERYDLVEGQTLVKCPFNIMKYANSQKAWQRLPDGKEPLTLVVT
 QRPFTRPSEVHMGKFTLKHDPSEAMLQVQMTDLQVTDGLYRCVIYHPPNDPVVLFHPVRLVVTGSSDV
 FTPVIIPIITRLTERPILITTKYSPSDTTTTTRSLPKPTAVVSSPGLGVTIINGTDADSVSTSSVTISVICG
 LLSKSLVFIIILFIVTKRFTG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

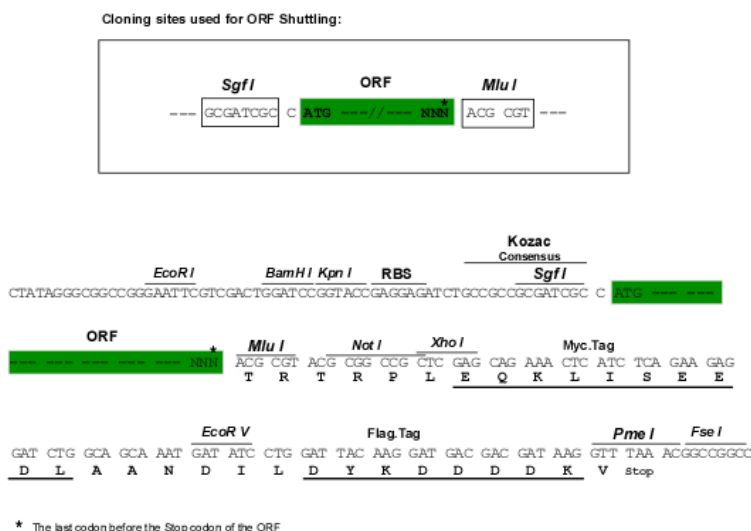


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Chromatograms: https://cdn.origene.com/chromatograms/ja1323_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021406

ORF Size: 690 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_021406.5](#)

RefSeq Size: 3005 bp

RefSeq ORF: 693 bp

Locus ID: 58217

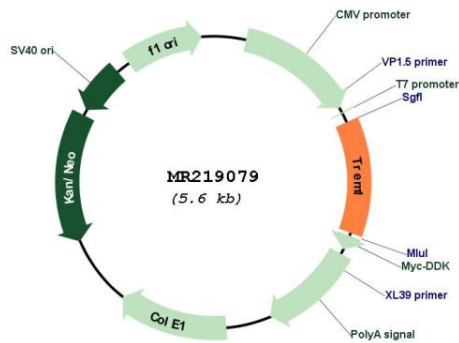
UniProt ID: [Q9JKE2](#)

Cytogenetics: 17 C

MW: 25.9 kDa

Gene Summary: Stimulates neutrophil and monocyte-mediated inflammatory responses. Triggers release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Amplifier of inflammatory responses that are triggered by bacterial and fungal infections and is a crucial mediator of septic shock (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219079