

Product datasheet for RC231854

TREM1 (NM_001242590) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TREM1 (NM_001242590) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TREM1
Synonyms: CD354; TREM-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231854 representing NM_001242590
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGAAGACCAGGCTCTGGGGCTGCTGTGGATGCTCTTTGTCTCAGAACTCCGAGCTGCAACTAAAT
 TAACTGAGGAAAAGTATGAACTGAAAGAGGGGCAGACCCTGGATGTGAAATGTGACTACACGCTAGAGAA
 GTTTGCCAGCAGCCAGAAAGCTTGGCAGATAATAAGGGACGGAGAGATGCCCAAGACCCTGGCATGCACA
 GAGAGGCCCTCAAAGAATCCCATCCAGTCCAAGTGGGGAGGATCATACTAGAAGACTACCATGATCATG
 GTTTACTGCGCGTCCGAATGGTCAACCTTCAAGTGAAGATTCTGGACTGTATCAGTGTGTGATCTACCA
 GCCTCCCAAGGAGCCTCACATGCTGTTGATCGCATCCGCTTGGTGGTGACCAAGGGGTTCCGGTGTTC
 ACATTGTCATTCTCTGGCTGGTGGATTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231854 representing NM_001242590
 Red=Cloning site Green=Tags(s)

MRKTRLWGLLWMLFVSELRAATKLTEEKYELKEGQTLDVKCDYTLKFASSQKAWQIIRDGEMPKTLACT
 ERPSKNSHPVQVGRIILEDYHDHGLLRVNMVNLQVEDSGLYQCVIYQPPKEPHMLFDRIRLVVTKGFRCS
 TLSFSWLVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001242590

ORF Size: 450 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_001242590.3](#)

RefSeq Size: 1440 bp

RefSeq ORF: 453 bp

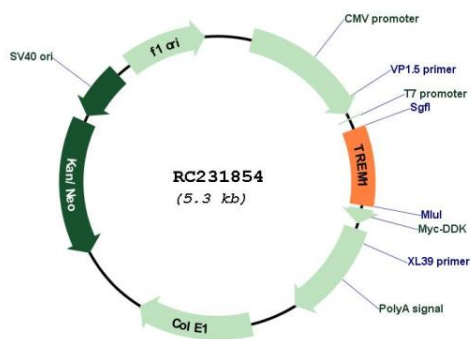
Locus ID: 54210

UniProt ID: [Q9NP99](#)

Cytogenetics: 6p21.1
Protein Families: Druggable Genome, Secreted Protein, Transmembrane
MW: 18 kDa

Gene Summary: This gene encodes a receptor belonging to the Ig superfamily that is expressed on myeloid cells. This protein amplifies neutrophil and monocyte-mediated inflammatory responses triggered by bacterial and fungal infections by stimulating release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011]

Product images:



Circular map for RC231854