

Product datasheet for **RG232197**

TREM1 (NM_001242589) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TREM1 (NM_001242589) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TREM1
Synonyms:	CD354; TREM-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232197 representing NM_001242589 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAAGACCAGGCTCTGGGGCTGCTGTGGATGCTCTTTGTCTCAGAACTCCGAGCTGCAACTAAAT
TAACTGAGGAAAAGTATGAACTGAAAGAGGGGCAGACCCTGGATGTGAAATGTGACTACACGCTAGAGAA
GTTTGCCAGCAGCCAGAAAGCTTGGCAGATAATAAGGGACGGAGAGATGCCAAGACCCTGGCATGCACA
GAGAGGCCTTCAAAGAATCCCATCCAGTCCAAGTGGGAGGATCATACTAGAAGACTACCATGATCATG
GTTTACTGCGCGTCCGAATGGTCAACCTCAAGTGAAGATTCTGGACTGTATCAGTGTGTGATCTACCA
GCCTCCAAGGAGCCTCACATGCTTTCGATCGCATCCGCTTGGTGGTGACCAAGGGTTTTTCAGGGACC
CCTGGCTCCAATGAGAATTCTACCCAGAATGTGTATAAGATTCCTCTACCACCACTAAGGCCTTGTGCC
CACTCTATACCAGCCCCAGAAGCTGTGACCCAAGCTCCACCAAGTCAACTGCCGATGTCTCCACTCCTGA
CTCTGAAATCAACCTTACAAATGTGACAGATATCATCAGGTATAGTTTCCAGGTCCTGGGCCCTGGTT
TGGACACTGAGCCCTTTGTTTCCAGTCTGTGTGCTGAGAGGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232197 representing NM_001242589
 Red=Cloning site Green=Tags(s)

MRKTRLWGLLWMLFVSELRAATKLTEEKYELKEGQTL DVKCDYTLKFASSQKAWQIIRDGEMPKTLACT
 ERPSKNSHPVQVGRRIILEDYHDHGLLRVRMVNLQVEDSGLYQCVIYQPPKEPHMLFDRIRLVVTKGFSGT
 PGSNENSTQNVYIPPTTTKALCPLYTSPRTVTQAPPKSTADVSTPDSEINLTNVTDIIRYSFQVPGPLV
 WTLSPLFPSLCAERM

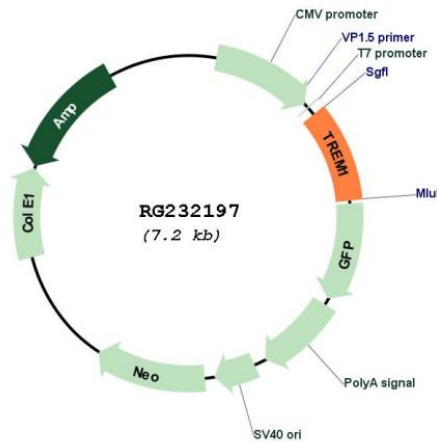
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001242589

ORF Size: 675 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:	<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_001242589.3
RefSeq Size:	2102 bp
RefSeq ORF:	678 bp
Locus ID:	54210
UniProt ID:	Q9NP99
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
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]