

Product datasheet for **SC329989**

TREM1 (NM_001242590) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TREM1 (NM_001242590) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TREM1 |
| Synonyms: | CD354; TREM-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_001242590 |
| Insert Size: | 453 bp |
| 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_001242590.1</u> |
| RefSeq Size: | 1440 bp |
| RefSeq ORF: | 453 bp |



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Locus ID: 54210

UniProt ID: [Q9NP99](#)

Cytogenetics: 6p21.1

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

MW: 17.6 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]

Transcript Variant: This variant (3; also known as TREM1-sv, PMID:11922939) is missing an internal coding exon compared to variant 1. This results in a frame-shift, and a shorter isoform (3) with a distinct C-terminus compared to isoform 1. This isoform, lacking the transmembrane domain, is likely secreted, and may function as a regulator of myeloid activation (PMID:11922939). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.