

# Recombinant Human Triggering Receptor Expressed On Myeloid Cells 1, His-tagged

**Cat. No.** TREM1-7203H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human TREM1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 23.3 kDa.                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 21-205aa                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | TREM1 is a receptor belonging to the Ig super family 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. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 23.3 kDa (209aa) confirmed by MALDI-TOF.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMATKLTE EKYELKEGQT LDVKCDYTLK<br>KFASSQKAWQ IIRDGEMPKT LACTERPSKN SHPVQVGRII LEDYHDHGLL                                                                                                                                                                                                                                                                                                                                                   |

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RVRMVNLQVE DSGLYQCVIY QPPKEPHMLF DRIRLVVTKG FSGTPGSNEN  
STQNVYKIPP TTTKALCPLY TSPRTVTQAP PKSTADVSTP DSEINLTNVT  
DIIRVPVFN

**Purity** >85% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [TREM1 triggering receptor expressed on myeloid cells 1 \[ Homo sapiens \]](#)

**Official Symbol** TREM1

**Synonyms** TREM1; triggering receptor expressed on myeloid cells 1; CD354; TREM 1; triggering-receptor TREM1; triggering receptor expressed on monocytes 1; TREM-1;

**Gene ID** [54210](#)

**mRNA Refseq** [NM\\_001242589](#)

**Protein Refseq** [NP\\_001229518](#)

**MIM** [605085](#)

**UniProt ID** [Q9NP99](#)

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Chromosome Location</b> | 6p21.1                                                                                                                   |
| <b>Pathway</b>             | Cell surface interactions at the vascular wall, organism-specific biosystem;<br>Hemostasis, organism-specific biosystem; |
| <b>Function</b>            | receptor activity;                                                                                                       |

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