

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	21-205aa
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.
Molecular Mass	23.3 kDa (209aa) confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMATKLTE EKYELKEGQT LDVKCDYTLK KFASSQKAWQ IIRDGEMPKT LACTERPSKN SHPVQVGR II 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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Chromosome Location	6p21.1
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	receptor activity;

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