

Triggering Receptor Expressed on Myeloid Cells 1 Recombinant Protein | TREM1 recombinant protein

Recombinant Human Triggering Receptor Expressed on Myeloid Cells 1

CATALOG #

AAA38499

PRODUCT SYNONYMS

Triggering Receptor Expressed on Myeloid Cells 1; Recombinant Human Triggering Receptor Expressed on Myeloid Cells 1; TREM1 Human; Triggering Receptor Expressed on Myeloid Cells 1 Human Recombinant; Triggering receptor expressed on myeloid cells 1; Triggering receptor expressed on monocytes 1; TREM-1; TREM1; TREM1 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	TREM1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% glycerol and 1mM DTT.
Sequence	MGSSHHH HHHSSGLVPR GSHMGSMATKLTEEKY ELKEGQTLDV KCDYTLEKFA SSQKAWQIIR DGEMPKTLAC TERPSKNShp VQVGRIILED YDHGLLRVR MVNLQVEDSG LYQCVIYQPP KEPHMLFDRI RLVVTKGFGS TPGSNENSTQ NVYKIPPTTT KALCPLYTSP RTVTQAPPKS TADVSTPDSE INLTNVTDII RVPVFN
Physical Appearance	Sterile Filtered clear solution.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TREM1 recombinant protein	Description: TREM1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 209 amino acids (21-205 a.a.) and having a molecular mass of 23.3kDa. TREM1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: TREM1 is a transmembrane receptor protein that is involved in monocytic activation and in the inflammatory response. TREM1 is expressed on the surface of neutrophils, mature monocytes and macrophages. TREM1 stimulates neutrophil and monocyte-mediated inflammatory responses. TREM1 also triggers the release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers. Furthermore, TREM1 is an amplifier of inflammatory responses that are triggered by bacterial and fungal infections and is a fundamental mediator of septic shock. The expression of the soluble form of TREM1 increases during sepsis and can consequently be used as a biological marker for septic shock. TREM1 is strongly expressed in acute inflammatory lesions caused by bacteria and fungi. Increased TREM1 expression on monocytes is related to both infectious and noninfectious inflammatory processes. TREM1 is vastly expressed in adult liver, lung and spleen than in corresponding fetal tissue. TREM1 is also expressed in the lymph node, placenta, spinal cord and heart tissues. TREM1 expression is more elevated in peripheral blood leukocytes than in the bone marrow and in normal cells than malignant cells. TREM1 is expressed at low levels in the early development of the hematopoietic system and in the promonocytic stage and at high levels in mature monocytes.
Product Categories/Family for TREM1 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	336088680
NCBI GeneID	54210

NCBI Accession #	NP_001229518.1
NCBI GenBank Nucleotide #	NM_001242589.1
UniProt Accession #	Q9NP99 ; Q53FL8 ; Q5T2C9 ; Q86YU1 ; B4DWG2 ; K7EJW1
Molecular Weight	25,574 Da
NCBI Official Full Name	triggering receptor expressed on myeloid cells 1 isoform 2
NCBI Official Synonym Full Names	triggering receptor expressed on myeloid cells 1
NCBI Official Symbol	TREM1
NCBI Official Synonym Symbols	CD354; TREM-1
NCBI Protein Information	triggering receptor expressed on myeloid cells 1; triggering receptor expressed on monocytes 1; triggering-receptor TREM1
UniProt Protein Name	Triggering receptor expressed on myeloid cells 1
UniProt Gene Name	TREM1
UniProt Synonym Gene Names	TREM-1
UniProt Entry Name	TREM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/trem1-recombinant-protein/38499>