

# Triggering Receptor Expressed On Myeloid Cells 1 (TREM1) Recombinant Protein | TREM1 recombinant protein

Recombinant Triggering Receptor Expressed On Myeloid Cells 1 (TREM1)

|                               |                       |                                                                           |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA135501</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|

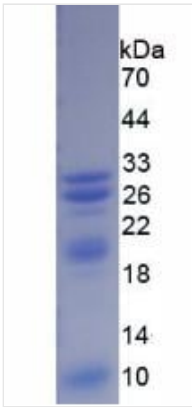
## PRODUCT SYNONYMS

Triggering Receptor Expressed On Myeloid Cells 1 (TREM1); Recombinant Triggering Receptor Expressed On Myeloid Cells 1 (TREM1); TREM1 recombinant protein

## PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity/Purification                                   | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                           | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                                              | Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandT7-ta g,itsseque nceisliste dbelow.<br>MGSSHHHHH HSSGLVPRGS HMASMTGGQQ MGRGS-ATKL TEEKYELKEG QTLDDVKCDYT LEKFASSQKA<br>WQIIRDGEMP KTLACTERPS KNSHPVQVGR ILEDYHDHG LLRVRMVNLQ VEDSGLYQCV IYQPPKEPHM<br>LFDRIRLVVT KGFSGTPGSN ENSTQNVIKI PPTTTKALCP LYTSVRTVTQ APPKSTADVS TPDSEINLTN<br>VTDIIRVPVF N                                                                                                                                                                                                                                                          |
| Sequence Length                                       | 225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for TREM1 recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Organism                                              | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression System                                     | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Residues                                              | Ala21~Asn205 (Accession # Q9NP99) with two N-terminal Tags, His-tag and T7-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Subcellular Location                                  | Cell membrane; Single-pass type I membrane protein. Secreted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Endotoxin Level                                       | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Predicted Isoelectric Point                           | 8.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reconstitution                                        | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                               | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition. |

IMAGES



Sequence

ATKLTEEKYE LKEGQTLQVK CDYTLEKFAS  
SQKAWQIIRD GEMPKTLACT ERPSKNSHPV QVGRILEDY HDHGLLRVRM  
VNLQVEDSGL YQCVIYQPPK EPHMLFDRIR LVVTKGFSGT PGSNENSTQN  
VYKIPPTTTK ALCPLYTSPR TVTQAPPKST ADVSTPDSEI NLTNVTDIIR  
VPVFN

SDS-PAGE

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                                                                                    |
| Molecular Weight                 | 24.4kDa                                                                                                                   |
| 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 TREM1; triggering receptor expressed on monocytes 1 |
| 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.