

Recombinant human TREM1 protein

Catalog Number: ATGP1771

PRODUCT INFORMATION

Expression system

E.coli

Domain

21-205aa

UniProt No.

Q9NP99

NCBI Accession No.

NP_061113.1

Alternative Names

Triggering receptor expressed on myeloid cells 1, CD354, TREM-1

PRODUCT SPECIFICATION

Molecular Weight

23.3 kDa (209aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human TREM1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGSM>ATKLTE EKYELKEGQT LDVKCDYTL KFASSQKAWQ IIRDGEMPKT
LACTERPSKN SHPVQVGRII LEDYHDHGLL RVRMVNLQVE DSGLYQCVIY QPPKEPHMLF DRIRLVVTKG FSGTPGSNEN
STQNVYKIPP TTTKALCPLY TSPRTVTQAP PKSTADVSTP DSEINLTNVT DIIRVPVFN

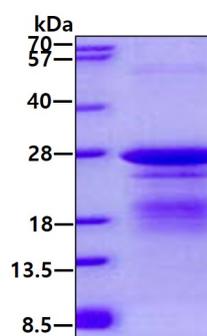
General References

Kwofie,L.,et al. (2012) Sect Ann. Hematol. 91 (4), 605-611

Wang,J.,et al. (2012) Mol Med Report 5 (3), 663-667

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.