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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

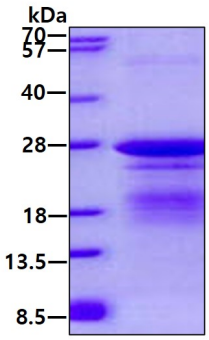
<MGSSHHHHHH SSGLVPRGSH MGSM>ATKLTE EKYELKEGQT LDVKCDYTLE KFASSQKAWQ IIRDGEMPKT LACTERPSKN SHPVQVGRII LEDYHDHGLL RVRMVNLQVE DSGLYQCVIY QPPKEPHMLF DRIRLVVTKG FSGTPGSNEN STQNVYKIPP TTTKALCPLY TSPRTVTQAP PKSTADVSTP DSEINLTNVT DIIRVPVFN

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.