

Recombinant human TREM2, His-tagged

Cat. No. TREM2-2452H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TREM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	TREM2 is a membrane protein that forms a receptorsignaling complex with the TYRO protein tyrosine kinase bindingprotein. The protein functions in immune response and maybe involved in chronic inflammation by triggering the production ofconstitutive inflammatory cytokines. Defects in this gene are acause of polycystic lipomembranous osteodysplasia with sclerosingleukoencephalopathy (PLOSL). Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	20.4kDa (181aa) confirmed by MALDI-TOF
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMHN TTVFQGVAGQ SLQVSCPYPDS MKHWGRRKAW CRQLGEKGPC QRVVSTHNLW LLSFLRRWNG STAITDDTLG GTLTITLRNL QPHDAGLYQC QSLHGSEADT LRKVLVEVLA DPLDHRDAGD LWFPGESESF EDAHVEHSIS R
Purity	>90% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	TREM2 triggering receptor expressed on myeloid cells 2 [Homo sapiens]
Official Symbol	TREM2
Synonyms	TREM2; triggering receptor expressed on myeloid cells 2; triggering receptor expressed on myeloid cells 2a; TREM 2; Trem2a; Trem2b; Trem2c; triggering receptor expressed on monocytes 2; TREM-2;
Gene ID	54209
mRNA Refseq	NM_018965
Protein Refseq	NP_061838
MIM	605086
UniProt ID	Q9NZC2
Chromosome Location	6p21.1
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem;

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Osteoclast differentiation, conserved biosystem; Other semaphorin interactions, organism-specific biosystem; Semaphorin interactions, organism-specific biosystem;

Function

receptor activity;

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