

## Recombinant human TREM2, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TREM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
<b>Molecular Mass</b>	20.4kDa (181aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMMHN TTVFQGVAGQ SLQVSCPYS MKHWGRRKAW CRQLGEKGPC QRVVSTHNLW LLSFLRRWNG STAITDDTLG GTLTITLRNL QPHDAGLYQC QSLHGSEADT LRKVLVEVLA DPLDHRDAGD LWFPGESESF EDAHVEHSIS R
<b>Purity</b>	>90% by SDS - PAGE

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<b>Applications</b>	SDS-PAGE
<b>Storage</b>	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.
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	TREM2 triggering receptor expressed on myeloid cells 2 [ Homo sapiens ]
<b>Official Symbol</b>	TREM2
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">54209</a>
<b>mRNA Refseq</b>	<a href="#">NM_018965</a>
<b>Protein Refseq</b>	<a href="#">NP_061838</a>
<b>MIM</b>	<a href="#">605086</a>
<b>UniProt ID</b>	<a href="#">Q9NZC2</a>
<b>Chromosome Location</b>	6p21.1
<b>Pathway</b>	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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