

TREM2, human recombinant protein

Triggering receptor expressed on myeloid cells 2, Trem2a, Trem2b, Trem2c

Catalog # PBV10981r

Specification**TREM2, human recombinant protein - Product info**

Primary Accession	O9NZC2
Concentration	0.25
Calculated MW	20.4 kDa (181 aa, 19-161 aa + His Tag), confirmed by MALDI-TOF. KDa

TREM2, human recombinant protein - Additional Info

Gene ID	54209
Gene Symbol	TREM2

Other Names

Triggering receptor expressed on myeloid cells 2, Trem2a, Trem2b, Trem2c

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMHN TTVFQGVAGQ SLQVSCPYS MKHWGRRKAW CRQLGEKGPC QRVVSTHNLW LLSFLRRWNG STAITDDTLG GTLTITLRNL QPHDAGLYQC QSLHGSEADT LRKVLVEVLA DPLDHRDAGD LWFPGESESF EDAHVEHSIS R

Target/Specificity

TREM2

Format

Liquid

Storage

-80°C; 0.25 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.15 M NaCl, 1 mM DTT and 10% glycerol.

TREM2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TREM2, human recombinant protein - Images**TREM2, human recombinant protein - Background**

TREM2 is a membrane protein that forms a receptor signaling complex with the TYRO protein tyrosine kinase binding protein. The protein functions in immune response and maybe involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in this gene are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS). Alternative splicing results in multiple transcript variants encoding different isoforms. Recombinant human TREM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

TREM2, human recombinant protein - References

Bouchon A.,et al.J. Immunol. 164:4991-4995(2000).
Begum N.A.,et al.Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.
Paloneva J.,et al.Am. J. Hum. Genet. 71:656-662(2002).
Paloneva J.,et al.Am. J. Hum. Genet. 72:225-225(2003).