

Datasheet for ABIN7596461

TREM2 Protein (AA 19-174) (His tag)[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	TREM2
Protein Characteristics:	AA 19-174
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TREM2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	HNTTVFQGVA GQSLQVSCP Y DSMKHWGRRK AWCRLGEGK PCQRVVSTHN LWLLSFLRRW NGSTAITDDT LGGTLTITLR NLQPHDAGLY QCQSLHGSEA DTLRKVLVEV LADPLDHRDA GDLWFPGESE SFEDAHVEHS ISRSLLEGEI PFPPTS
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1µg of protein (determined by LAL method)

Target Details

Target:	TREM2
Alternative Name:	TREM2 (TREM2 Products)
Background:	TREM2, also known as Triggering receptor expressed on myeloid cells 2 isoform 1, is a membrane protein that forms a receptorsignaling complex with the TYRO protein tyrosine

Target Details

kinase binding protein. This protein is found in immune cells termed myeloid cells, which include macrophages, granulocytes, monocytes, and dendritic cells. It functions in immune response and maybe involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. It also promotes the differentiation and function of osteoclasts, the production of inflammatory cytokines by adipocytes, insulin resistance, and the phagocytic clearance of bacteria. Defects in TREM2 are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS). In addition, TREM2 is overexpressed in many tumor types and has anti-inflammatory activities. It might therefore be a good therapeutic target. Recombinant human TREM2, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

Molecular Weight: 18.2kDa (162aa)

NCBI Accession: [NP_061838](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Storage: 4 °C, -20 °C, -80 °C

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