

TREM2, 19-161aa, Human, His tag, E.coli

Cat.NO.: TP04307

3th Edition

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

Description: 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 (PLOSL). 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.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 20.4kDa (181aa) confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMHNTTVFQGVAGQSLQVSCPYDSMKHWGRRKAW
CRQLGEKGPCQRVVSTHNLWLLSFLRRWNGSTAITDDTLGGTLTITLRNLQPHDAGLYQCQSLHGSEADTLRKVLV
EVLADPLDHRDAGDLWFPGESESFEDAHVEHSISR

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.