
Product Data Sheet

Product Name: TREM2 Human
 Cat. No.: GP24878
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Triggering receptor expressed on myeloid cells 2; Triggering receptor expressed on monocytes 2; TREM-2; TREM2; Trem2a; Trem2b; Trem2c.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMHN TTVFQGVAGQ SLQVSCPYS MKHWGRRKAW CRQLGKGPC QRVVSTHNLW LLSFLRRWNG STAITDDTLG GTLTITLRNL QPHDAGLYQC QSLHGSEADT LRKVLVEVLA DPLDHRDAGD LWFPGESESF EDAHVEHSIS R.		
Formulation	TREM2 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

TREM2 is a membrane protein that forms a receptor signaling complex with TYROBP. TREM2 may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in the TREM2 gene are a source of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TREM2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 181 amino acids (19-161 a.a) and having a molecular mass of 20.4kDa. TREM2 is fused to a 38 amino acid His-tag at N-terminus & purified by

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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