

Recombinant Human TREM2 protein, His-Avi-tagged

Cat. No. TREM2-092H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Trem2 Protein is expressed from mammalian with His and Avi Tag at the C-terminal. It contains His19-Ser174.
Species	Human
Source	HEK293
ProteinLength	His19-Ser174
Description	TREM-2 (Triggering Receptor Expressed on Myeloid cells-2) is a 35 kDa type I transmembrane member of the TREM family and Ig superfamily. Mature human TREM-2 consists of a 156 amino acid (aa) extracellular domain (ECD) with one V-type Ig-like domain, a 21 aa transmembrane (TM) domain, and a 35 aa cytoplasmic tail. TREM-2 forms a receptor signaling complex with TYROBP which mediates signaling and cell activation following ligand binding (PubMed:10799849). Acts as a receptor for amyloid-beta protein 42, a cleavage product of the amyloid-beta precursor protein APP, and mediates its uptake and degradation by microglia.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 20.3 kDa. Due to glycosylation, the protein migrates to 30- 38KDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.2 EU per ug by the LAL method.

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Purity > 95% as determined by Bis-Tris PAGE

Storage The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name TREM2 triggering receptor expressed on myeloid cells 2 [Homo sapiens (human)]

Official Symbol TREM2

Synonyms PLOSL2; TREM2; TREM-2; Trem2a; Trem2b; Trem2c; TREM-2triggering receptor expressed on myeloid cells 2a; Triggering receptor expressed on monocytes 2; triggering receptor expressed on myeloid cells 2

Gene ID 54209

mRNA Refseq NM_001271821.2

Protein Refseq NP_001258750.1

MIM 605086

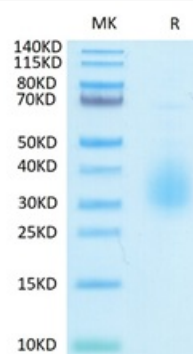
UniProt ID Q9NZC2

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**Tris-Bis PAGE of
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