

Recombinant Mouse Trem2 Protein, His-tagged

Cat. No. Trem2-848M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse TREM2 (NP_112544.1) extracellular domain (Met 1-Pro 168) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-168 a.a.
Predicted N Terminal	Leu 19
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse TREM2 consists of 161 amino acids with the predicted molecular mass of 18 kDa. As a result of glycosylation, the apparent molecular mass of rmTREM2 is approximately 30-40 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Trem2 triggering receptor expressed on myeloid cells 2 [Mus musculus]

Official Symbol Trem2

Synonyms TREM2; triggering receptor expressed on myeloid cells 2; TREM-2; triggering receptor expressed on monocytes 2; triggering receptor expressed on myeloid cells 2a; triggering receptor expressed on myeloid cells 2b; triggering receptor expressed on myeloid c

Gene ID 83433

mRNA Refseq NM_031254

Protein Refseq NP_112544

MIM

UniProt ID

Pathway Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem; Other semaphorin interactions, organism-specific bios

Function receptor activity; transmembrane signaling receptor activity;

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