

Active Recombinant Human TREM2 Protein, His-tagged

Cat. No. TREM2-282H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TREM-2 (His19-Ser174) protein with a C-terminal 6-His tag was expressed in mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
Description	May have a role in chronic inflammations and may stimulate production of constitutive rather than inflammatory chemokines and cytokines. Forms a receptor signaling complex with TYROBP and triggers activation of the immune responses in macrophages and dendritic cells.
Predicted N Terminal	His19
Bio-activity	Measured by its ability to bind fluorescein-conjugated E. coli Bioparticles. The ED50 for this effect is 0.15-0.9 µg/mL using a His Tag Antibody coated plate.
Molecular Mass	Predicted Molecular Mass: 18 kDa SDS-PAGE: 25-39 kDa, reducing conditions
N-terminal Sequence Analysis	His
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.

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Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in HEPES and NaCl.
Reconstitution	Reconstitute at 500 µg/mL in water.
GENE INFORMATION	
Gene Name	TREM2
Official Symbol	TREM2 triggering receptor expressed on myeloid cells 2 [Homo sapiens (human)]
Synonyms	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; triggering receptor expressed on myeloid cells 2; triggering receptor expressed on monocytes 2; triggering receptor expressed on myeloid cells 2a
Gene ID	54209
mRNA Refseq	NM_018965
Protein Refseq	NP_061838
MIM	605086

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UniProt ID

Q9NZC2

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