

Active Recombinant Mouse Tnfsf11 Protein, His-tagged

Cat. No. Tnfsf11-953M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnfsf11 (Accession # O35235) Arg72-Asp316, fused with an N-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Arg72-Asp316
Predicted N Terminal	His
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce osteoclast differentiation of RAW 264.7 mouse monocyte/macrophage cells. The ED50 for this effect is typically 5-15 ng/mL in the presence of 2.5 µg/mL of a cross-linking antibody, Mouse Anti-polyHistidine Monoclonal Antibody. An E. coli-expressed Recombinant Mouse (rm) TRANCE (aa 158-317) is also available. The ED50 for the E. coli-expressed rmTRANCE is 0.5-2 ng/mL.
Molecular Mass	Recombinant Mouse Tnfsf11, His-tagged has a calculated MW of 28 kDa. In SDS-PAGE migrates as 36 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage

Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION
Gene Name

Tnfsf11 tumor necrosis factor (ligand) superfamily, member 11 [*Mus musculus*]

Official Symbol

Tnfsf11

Synonyms

TNFSF11; tumor necrosis factor (ligand) superfamily, member 11; tumor necrosis factor ligand superfamily member 11; OPG ligand; osteoprotegerin ligand; osteoclast differentiation factor; receptor activator of NF-kappaB ligand; TNF-related activation-induced cytokine; receptor activator of nuclear factor kappa B ligand; receptor activator of nuclear factor kappa-B ligand; tumor necrosis factor-related activation-induced cytokine; ODF; OPG; OPGL; RANKL; Ly109I; Trance;

Gene ID

21943

mRNA Refseq

NM_011613

Protein Refseq

NP_035743

MIM

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