

Active Recombinant Mouse Tnfsf11 protein, His&hFc-tagged

Cat. No. Tnfsf11-9482M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnfsf11 protein(Arg72-Asp316), fused with N-terminal His and hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	72-316 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	M-CSF (50 ng/mL) and RANKL (100 ng/mL) can induced differentiation of osteoclasts from primary mouse bone marrow cells for 3 days; RANKL (100 ng/mL) can induced differentiation of osteoclasts from RAW264.7 cells for 5 days.
Molecular Mass	55.63 KD
Endotoxin	< 0.01 EU/µg of the protein by LAL method
Purity	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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; Ly109l; Trance;

Gene ID

[21943](#)

mRNA Refseq

[NM_011613](#)

Protein Refseq

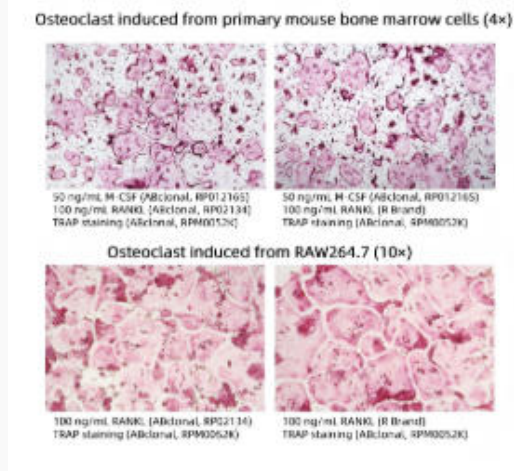
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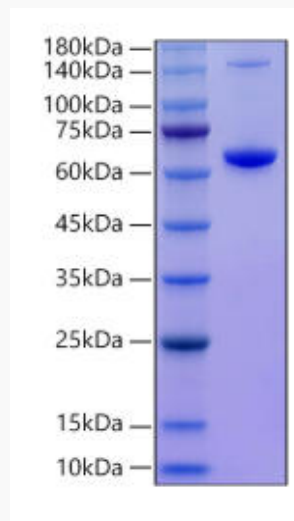
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Activity



SDS-PAGE



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