

Active Recombinant Mouse Tnfsf11, Fc-tagged

Cat. No. Tnfsf11-247M Lot. No. (See product label)

SPECIFICATION

Product Overview	Mouse RANKL (aa 157-316) is fused at the N-terminus to the Fc portion of human IgG1.
Species	Mouse
Source	HEK293
Description	RANKL is an osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive T cell proliferation. Important regulator of interactions between T cells and dendritic cells and may play a role in the regulation of the T cell-dependent immune response. RANKL plays an important role in the progression of Breast cancer.
Form	Lyophilized. Contains PBS.
Bio-activity	Induces osteoclastogenesis of bone marrow-derived macrophages.
Molecular Mass	~55kDa (SDS-PAGE)
Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1%

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BSA should be used for further dilutions.

Concentration 0.1mg/ml after reconstitution.

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 [NP_035743](#)

Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Osteoblast, organism-specific biosystem; Osteoclast, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem; Rheumatoid arthritis, organism-specific biosystem;

Function

cytokine activity; protein binding; receptor activity; tumor necrosis factor receptor binding; tumor necrosis factor receptor superfamily binding; tumor necrosis factor

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receptor superfamily binding;

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