

Recombinant Mouse TNFSF11

Cat. No. Tnfsf11-192M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TNFSF11 was expressed in Yeast.
Species	Mouse
Source	Yeast
Description	RANKL binds to tnfrsf11b/opg and to tnfrsf11a/rank. Osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive t-cell proliferation. May be an 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. sRANKL may also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.
MolecularMass	19.8 kDa
Formulation	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purity	>95% as determined by SDSPAGE analysis.
ProteinSequence	FSGAPAMMEG SWLDVAQRGK PEAQPFAHLT INAASIPSGS HKVTLSSWYH DRGWAKISNM TLSNGKLRVN QDGFYLYAN ICFRHHETSG SVPTDYLQLM VYVVKTSIKI PSSHNLKGG STKNWSGNSE FHFYSINVG FFKLRAGEEI SIQVSNPSLL DPDQDATYFG AFKVQDID (178)

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Purification	Ion-exchange chromatography
Storage	Stable for up to twelve months from date of receipt at -20 oC. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20 oC. Avoid repeated freeze/thaw cycles.
OfficialSymbol	Tnfsf11
GENE INFORMATION	
Gene Name	Tnfsf11 tumor necrosis factor (ligand) superfamily, member 11 [<i>Mus musculus</i>]
Synonyms	Tnfsf11; tumor necrosis factor (ligand) superfamily, member 11; ODF; OPG; OPGL; RANKL; Ly109I; Trance; OPG ligand; osteoprotegerin ligand; osteoclast differentiation factor; receptor activator of NF-kappaB ligand; tumor necrosis factor-related activation-induced cytokine; Ly109I
Gene ID	21943
mRNA Refseq	NM_011613
Protein Refseq	NP_035743
UniProt ID	O35235
Chromosome Location	14 D3
Pathway	Cytokine-cytokine receptor interaction
Function	cytokine activity; protein binding; receptor activity; tumor necrosis factor receptor

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binding

**PDB rendering
based on 1s55.**

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