

Recombinant Mouse Tnfrsf11b Protein, His-tagged

Cat. No. Tnfrsf11b-70M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Tnfrsf11B, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	Tnfrsf11b, also known as tumor necrosis factor receptor superfamily member 11B, is a member of the tumor necrosis factor receptor TNFR superfamily. It inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Also It plays a role in preventing arterial calcification.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	44.4kDa (388aa)40-57kDa (SDS-PAGE under reducing conditions)
AA Sequence	ETLPPKYLHY DPETGHQLLC DKCAPGTYLK QHCTVRRKTL CVPCPDHSYT DSWHTSDECV YCSPVCKELQ SVKQECNRTH NRVCECEEGRYLEIEFCLKH RSCPPGSGVV QAGTPERN TV CKKCPDGFFS GETSSKAPCI KHTNCSTFGL LLIQKGNATH DNVCSGNREA TQKCGIDVTLCEEAFFRFAV PTKIIPNWLS VLVDSLPGTK VNAESVERIK RRHSSQEQT F QLLKLWKHQN RDQEMVKKII QDIDLCESSV QRHLGHSNLTTEQLLALMES LPGKKISPEE IERTRKTCKS SEQLLKLLSL WRIKNGDQDT LKGLMYALKH LKTSHFPKTV THSLRKTMR F LHSFTMYRLYQKLFLEMIGN QVQSVKISCL LEHHHHHH

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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Tnfrsf11b tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin) [Mus musculus]
Official Symbol	Tnfrsf11b
Synonyms	TNFRSF11B; osteoprotegerin; Opg; TR1; OCIF
Gene ID	18383
mRNA Refseq	NM_008764
Protein Refseq	NP_032790
MIM	
UniProt ID	
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Osteoblast, organism-specific biosystem; Osteoclast, organism-specific biosystem; Osteoclast differentiation,

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organism-specific biosystem; Osteoclast differentiation, conserved biosystem;

Function

binding; receptor activity;

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