

Recombinant Mouse Tnfrsf11b Protein, His-tagged

Cat. No. Tnfrsf11b-7291M **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Mouse Tnfrsf11b Protein with a His tag.

Species Mouse

ProteinLength 22-401

Description

Acts as decoy receptor for TNFSF11/RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local ratio between TNFSF11 and TNFRSF11B. May also play a role in preventing arterial calcification. May act as decoy receptor for TNFSF10/TRAIL and protect against apoptosis. TNFSF10/TRAIL binding blocks the inhibition of osteoclastogenesis.

Form Liquid

Molecular Mass 44.4 kDa

AA Sequence

ETLPPKYLHYDPETGHQLLCDKCAPGTYLKQHCTVRRKTL CVPCPDHSY TDSWHTS
 DECVYCSPVCKELQSVKQECNRTHNRVCECEEGRYLEIEFCLKHRSCPPGSGVVQ
 AGTPERN TVCKKCPDGGFFSGETSSKAPCIKHTNCSTFGLLLIQKGNATHDNVCSGN
 REATQKCGIDVTLCEEAFRRFAVPTKIIPNWLSVLVDSLPGTKVNAESVERIKRRHSS
 QEQTFQLLKLWKHQNRDQEMVKKIIQDIDLCESSVQRHLGHSNLTTEQLLALMESLP
 GKKISP EEIERTRKTCKSSEQLLKL LSLWRKNGDQDTLKGLMYALKHLKTS HFPKTV
 THSLRKTMRFLHSFTMYRLYQKLFLEMIGNQVQSVKISCLLEHHHHHH

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Endotoxin	< 1.0 EU/μg of protein (determined by LAL method)
Purity	> 90 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.25 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

GENE INFORMATION

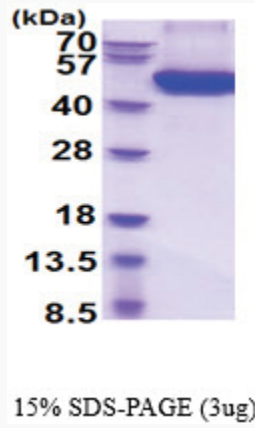
Gene Name	Tnfrsf11b tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin) [Mus musculus (house mouse)]
Official Symbol	Tnfrsf11b
Synonyms	Tnfrsf11b; tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin); O; OC; TR; Opg; TR1; OCIF; tumor necrosis factor receptor superfamily member 11B; osteoclastogenesis inhibitory factor; osteoprotegerin
Gene ID	18383
mRNA Refseq	NM_008764
Protein Refseq	NP_032790
UniProt ID	O08712

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SDS-PAGE



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