

Active Recombinant Mouse TNFSF11 Protein, Fc-tagged

Cat. No. TNFSF11-860M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain of mouse TNFSF11 (BAA97257.1) (Arg 72-Asp 316) was fused with the Fc region of human IgG1 at the N-terminus.
Species	Mouse
Source	HEK293
ProteinLength	72-316 a.a.
Predicted N Terminal	Glu
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Immobilized mouse Fc-TNFSF11 at 10 µg/ml (100 µl/well) can bind biotinylated human TNFRSF11B-His, The EC50 of biotinylated human TNFRSF11B-His is 0.07-0.17 µg/ml.
Molecular Mass	The recombinant mouse TNFSF11/Fc is a disulfide-linked homodimer. The reduced monomer comprises 505 amino acids and has a calculated molecular mass of 56 kDa. The apparent molecular mass of the monomer is approximately 50 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>87 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Tnfsf11 tumor necrosis factor (ligand) superfamily, member 11 [<i>Mus musculus</i>]
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-induc
Gene ID	21943
mRNA Refseq	NM_011613
Protein Refseq	NP_035743
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-specif

Function

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

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