

# Active Recombinant Rat TNFSF11 protein, His-Avi-tagged, Biotinylated

**Cat. No.** TNFSF11-0754R    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Rat TNFSF11 protein(Leu69-Asp318), fused with His and Avi tag, was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	69-318 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human RANK, Mouse IgG2a Fc Tag, low endotoxin at 1 µg/mL (100 µL/well) can bind Biotinylated Rat TNFSF11, His,Avitag with a linear range of 0.5-16 ng/mL. Immobilized Biotinylated Rat TNFSF11, His,Avitag at 2 µg/mL (100 µL/well) on streptavidin precoated (1 µg/well) plate can bind Human Osteoprotegerin, Fc Tag with a linear range of 0.1-16 ng/mL.
<b>Molecular Mass</b>	This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 31.8 kDa. The protein migrates as 35-37 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Leu69-Asp318

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<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	Tnfsf11 tumor necrosis factor (ligand) superfamily, member 11 [ Rattus norvegicus ]
<b>Official Symbol</b>	TNFSF11
<b>Synonyms</b>	TNFSF11; tumor necrosis factor (ligand) superfamily, member 11; tumor necrosis factor ligand superfamily member 11; ODF; OPGL; TRANCE; osteoprotegerin ligand; osteoclast differentiation factor; TNF-related activation-induced cytokine; receptor activator of nuclear factor kappa B ligand; receptor activator of nuclear factor kappa-B ligand; RANKL;
<b>Gene ID</b>	117516
<b>mRNA Refseq</b>	NM_057149
<b>Protein Refseq</b>	NP_476490

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