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

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

SPECIFICATION

Product Overview	Biotinylated Recombinant Rat TNFSF11 protein(Leu69-Asp318), fused with His and Avi tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	69-318 a.a.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Proteinlength	Leu69-Asp318

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Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Tnfsf11 tumor necrosis factor (ligand) superfamily, member 11 [Rattus norvegicus]
Official Symbol	TNFSF11
Synonyms	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;
Gene ID	117516
mRNA Refseq	NM_057149
Protein Refseq	NP_476490

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