

Active Recombinant Human TNFSF11 protein

Cat. No. TNFSF11-0755H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF11 protein(Gly64-Asp245), fused with N/A tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	64-245 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized ActiveMax Human TNFSF11, Tag Free at 2 µg/mL (100 µL/well) can bind Human RANK, Mouse IgG2a Fc Tag, low endotoxin with a linear range of 0.1-4 ng/mL. Immobilized ActiveMax Human TNFSF11, Tag Free at 2 µg/mL (100 µL/well) can bind Human Osteoprotegerin, His Tag with a linear range of 0.01-0.313 µg/mL. Immobilized ActiveMax Human TNFSF11, Tag Free at 2 µg/mL (100 µL/well) can bind Anti-TNFSF11 Antibody, Human IgG1 with a linear range of 0.1-4 ng/mL.
Molecular Mass	This protein carries no "tag" The protein has a calculated MW of 20.5 kDa. The protein migrates as 28-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gly64-Asp245
Endotoxin	Less than 0.1 EU per

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
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.

GENE INFORMATION

Gene Name	TNFSF11 tumor necrosis factor (ligand) superfamily, member 11 [Homo sapiens]
Official Symbol	TNFSF11
Synonyms	TNFSF11; tumor necrosis factor (ligand) superfamily, member 11; tumor necrosis factor ligand superfamily member 11; CD254; ODF; OPGL; RANKL; 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; sOdf; OPTB2; hRANKL2;
Gene ID	8600
mRNA Refseq	NM_003701
Protein Refseq	NP_003692
MIM	602642
UniProt ID	O14788

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