

Active Recombinant Human TNFSF11 protein, His-tagged

Cat. No. TNFSF11-394H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF11 protein(Gly 64 - Asp 245), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gly 64 - Asp 245
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human RANK Protein, Mouse IgG2a Fc Tag at 0.5 µg/mL (100 µL/well) can bind Human TNFSF11 Protein, His Tag with a linear range of 0.4-6 ng/mL. Immobilized Human OPG, Fc Tag at 2 µg/mL (100 µL/well) can bind Human TNFSF11 Protein, His Tag with a linear range of 0.2-2 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminusThe protein has a calculated MW of 22.4 kDa. The protein migrates as 27-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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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