

Active Recombinant Human TNFSF11 protein, mFc-tagged

Cat. No. TNFSF11-322H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TNFSF11 protein(AAC51762.1) (Gly63-Asp244) was expressed in HEK293, with the Fc region of mouse IgG1 at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	63-244 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Immobilized mouse mFc-TNFSF11 at 10 µg/ml (100 µl/well) can bind biotinylated human TNFRSF11B-His, The EC50 of biotinylated human TNFRSF11B-His is 6.0-14.1 ng/ml. 2. The bioactivity of hRANKL was determined by measuring the ability of hRANKL to induce TRAP activity in Raw 264.7 cells. The ED50 for this effect is typically 15-45 ng/mL.
Molecular Mass	The recombinant human TNFSF11/mFc comprises 418 amino acids and has a predicted molecular mass of 47.1 kDa. The apparent molecular mass of the monomer is approximately 48-56 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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 0.2 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

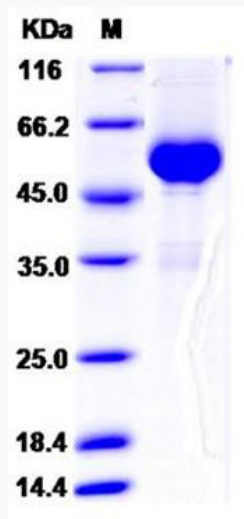
UniProt ID O14788

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SDS-PAGE



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