

Active Recombinant Human TNFSF11 protein, hFc-tagged

Cat. No. TNFSF11-0757H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TNFSF11 protein(O14788-2) (Gly 63-Asp 244) was expressed in HEK293, fused with the Fc region of human IgG1 at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	63-244 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized human TNFRSF11B-His at 10 µg/ml (100 µl/well) can bind human Fc-TNFSF11 with a linear ranger of 3.125-200 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 0.1-0.4 µg/mL.
Molecular Mass	The recombinant human TNFSF11/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 443 amino acids and has a calculated molecular mass of 48.9 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh TNFSF11/Fc monomer is approximately 50-55 kDa due to the glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

 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

Purity	> 86 % as determined by SDS-PAGE
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

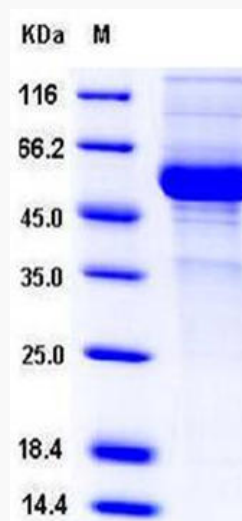
Gene Name	TNFSF11 tumor necrosis factor (ligand) superfamily, member 11 [Homo sapiens]
Official Symbol	TNFSF11
Synonyms	TNFSF11; tumor necrosis factor (ligand) superfamily, member 11; tumor necrosis factor ligand superfamily member 11; CD254; ODF; OPGL; RANKL; TRANCE; osteoprotegerin ligand; osteoclast 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

 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

SDS-PAGE



 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