

Active Recombinant Human TNFRSF11A protein, hFc-tagged

Cat. No. TNFRSF11A-400H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF11A protein(NP_001257879.1)(Met1-Pro212), fused with hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-212 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit TRANCE-induced osteoclast differentiation of RAW 264.7 mouse monocyte/macrophage cells. The ED50 for this effect is 3-16ng/mL in the presence of 5 ng/mL of TRANCE.
Molecular Mass	The recombinant human TNFRSF11A/Fc comprises 421 amino acids and has a predicted molecular mass of 46.8 kDa. The apparent molecular mass of the protein is approximately 53.3 kDa in SDS-PAGE under reducing conditions.
Proteinlength	Met1-Pro212
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted 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	TNFRSF11A tumor necrosis factor receptor superfamily, member 11a, NFKB activator [Homo sapiens]
Official Symbol	TNFRSF11A
Synonyms	TNFRSF11A; tumor necrosis factor receptor superfamily, member 11a, NFKB activator; tumor necrosis factor receptor superfamily, member 11a, activator of NFKB; tumor necrosis factor receptor superfamily member 11A; CD265; RANK; receptor activator of NF-KB; osteoclast differentiation factor receptor; receptor activator of nuclear factor-kappa B; loss of heterozygosity, 18, chromosomal region 1; FEO; OFE; ODFR; OSTs; PDB2; OPTB7; TRANCER; LOH18CR1;
Gene ID	8792
mRNA Refseq	NM_003839
Protein Refseq	NP_003830
MIM	603499

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UniProt ID

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