

Active Recombinant Human TNFRSF11A, hFc-tagged

Cat. No. TNFRSF11A-30901TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 29-213 of Human RANK fused at the C-terminus to the Fc portion of Human IgG1; MWt 55 kDa .
Species	Human
Source	HEK293
ProteinLength	29-213 a.a.
Description	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptors can interact with various TRAF family proteins, through which this receptor induces the activation of NF-kappa B and MAPK8/JNK. This receptor and its ligand are important regulators of the interaction between T cells and dendritic cells. This receptor is also an essential mediator for osteoclast and lymph node development. Studies of the mouse counterpart suggest that this receptor directly mediates the osteoprotegerin ligand (OPGL)-induced osteoclastogenesis in osteoclast precursor cells.
Conjugation	Fc
Molecular Weight	55.000kDa inclusive of tags
Tissue specificity	Ubiquitous expression with high levels in skeletal muscle, thymus, liver, colon, small intestine and adrenal gland.

 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

Biological activity	Inhibits Human rhsRANKL biological functions. Binds to Human and Mouse RANKL.
Form	Lyophilised:Reconstitute with 50µl sterile water to give a final concentration of 1mg/ml.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: PBS
Storage	Store at -20°C, Stable for 6 months at -20°C
Sequence Similarities	Contains 4 TNFR-Cys repeats.

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;
Gene ID	8792
mRNA Refseq	NM_003839
Protein Refseq	NP_003830

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MIM	603499
Uniprot ID	Q9Y6Q6
Chromosome Location	18q22.1
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Osteoclast Signaling, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem;
Function	cytokine binding; metal ion binding; protein binding; receptor activity; transmembrane signaling receptor activity;

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