

Recombinant Human TNFRSF11A Protein, His-tagged

Cat. No. TNFRSF11A-155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF11A Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	RANK (receptor activator of NF-κB) is a member of the tumor necrosis factor (TNF) receptor subfamily that is activated by its ligand, RANKL (TRANCE/OPGL/ODF), to promote survival of dendritic cells and differentiation of osteoclasts. Although RANK is widely expressed, its cell surface expression may be more restricted to dendritic cells and foreskin fibroblasts. RANK contains a 383-amino acid intracellular domain that associates with specific members of the TRAF family to NF-κB and JNK activation. RANKL/RANK signaling may also lead to survival signaling through activation of the Akt pathway and an upregulation of survival proteins, including Bcl-xL. RANK signaling has been implicated as a potential therapeutic to inhibit bone loss and arthritis.
Molecular Mass	~21 kDa
AA Sequence	MIAPPCTSEKHYEHLGRCCNKCEPGKYMSSKCTTTSDSVCLPCGPDEYLDWNEE DKCLLHKVCDTGKALVAVVAGNSTTPRRCACTAGYHWSQDCECCRRNTECAPGLG AQHPLQLNKDTVCKPCLAGYFSDAFSSTDKCRPWTNCTFLGKRVEHHGTEKSDAV CSSSLPARKPPNEPHVYLP
Purity	Transferred into competent cells and the supernatant was purified by NI column

 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

affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

TNFRSF11A tumor necrosis factor receptor superfamily, member 11a, NFKB activator [Homo sapiens (human)]

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

Q9Y6Q6

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