

Recombinant Human TNFRSF11A Protein, hlgG-His-tagged

Cat. No. TNFRSF11A-40H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNFRSF11A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	TNFRSF11A, also known as tumor necrosis factor receptor superfamily member 11A, is a member of the tumor necrosis factor receptor family. TNFRSF11A is widely expressed with highest levels in skeletal muscle, thymus, liver, colon, small intestine and adrenal gland and dendritic cells. In activated human peripheral blood T lymphocytes, TNFRSF11A expression is induced by IL4 and TGF-b.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	47.6kDa (427aa)40-57KDa (SDS-PAGE under reducing conditions)
AA Sequence	ADPLQIAPPC TSEKHYEHLG RCCNKCEPGK YMSSKCTTTS DSVCLPCGPD EYLDWNEED KCLLHKVCDT GKALVAVVAG NSTTPRRCACTAGYHWSQDC ECCRRNTECA PGLGAQHPLQ LNKDTVCKPC LAGYFSDAFS STDKCRPWTN CTFLGKRVEH HGTEKSDAVC SSSLPARKPPNEPHVYLPLE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQYNSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQPENNYKTTTPP VLDSGDSFFL YSKLTVDKSR WQQGNVFCSS

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VMHEALHNNHY TQKSLSLSPGKHHHHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >90% by SDS – PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm)

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

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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; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem;
Function	cytokine binding; metal ion binding; protein binding; receptor activity; transmembrane signaling receptor activity; tumor necrosis factor-activated receptor activity;

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