

## Product datasheet for RC233693

### RANK (TNFRSF11A) (NM\_001270951) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RANK (TNFRSF11A) (NM_001270951) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RANK
Synonyms:	CD265; FEO; LOH18CR1; ODFR; OFE; OPTB7; OST5; PDB2; RANK; TRANCE-R; TRANCER
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233693 representing NM_001270951 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCCGCGCGCCCGGCGCGCCCGCTGTTGCGGCTGCTGCTGCTCTGCGCGTCTGCTCGCCGGC  
TGCAGGTGGCTTTCAGATCGCTCCTCCATGTACCAGTGAGAAGCATTATGAGCATCTGGACGGTCTG  
TAACAAATGTGAACCAGGAAAGTACATGTCTTCTAAATGCACTACTACCTCTGACAGTGTATGTCTGCC  
TGTGGCCCGGATGAATACTTGGATAGCTGGAATGAAGAAGATAAATGCTTGTGCATAAAGTTTGTGATA  
CAGGCAAGGCCCTGGTGGCCGTGGTCGCCGGAACAGCAGCACGCCCGCGCTGCGCGTGCACGGCTGG  
GTACCACTGGAGCCAGGACTGCGAGTGTGCCGCCGAACACCGAGTGCAGCGCCGGCCTGGGCGCCAG  
CACCCGTTGCAGCTCAACAAGGACACAGTGTGCAACCTTGCCCTTGCAGGCTACTTCTCTGATGCCTTT  
CCTCCACGGACAAATGCAGACCTGGACCAACTGTACCTTCTTGGAAAGAGAGTAGAACATCATGGGAC  
AGAGAAATCCGATGCGGTTTGCAGTTCTTCTGCCAGCTAGAAAACCAACAAATGGAAATGTGACTGGA  
AACAGTAACTCCACGTTTCATCTCCAGCGGGCAGGTGATGAACTTCAAGGGCGACATCATCGTGGTCTACG  
TCAGCCAGACCTCGCAGGAGGGCGCGCGCGGCTGCGGAGCCATGGGCCGCCCGGTGCAGGAGGAGAC  
CCTGGCGCGCCGAGACTCCTTCGCGGGGAACGGCCCGCTTCCCGACCCGTGCGCGGCCCGGAGGGG  
CTGCGGGAGCCGAGAAGGCCTCGAGCCGGTGCAGGAGCAAGGGGGCCCAAGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)



**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001270951.2](#)

**RefSeq Size:** 3642 bp

**RefSeq ORF:** 900 bp

**Locus ID:** 8792

**UniProt ID:** [Q9Y6Q6](#)

**Cytogenetics:** 18q21.33

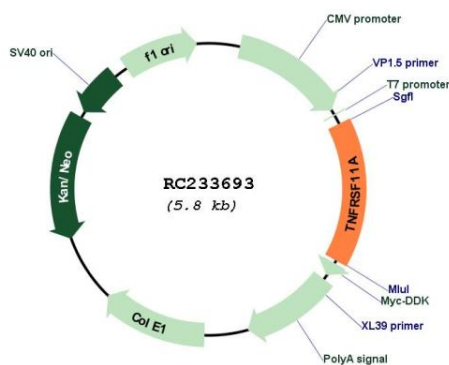
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction

**MW:** 32.8 kDa

**Gene Summary:** 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. Mutations at this locus have been associated with familial expansile osteolysis, autosomal recessive osteopetrosis, and Paget disease of bone. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Aug 2012]

### Product images:



Circular map for RC233693