

Product datasheet for RC211270

BAFF Receptor (TNFRSF13C) (NM_052945) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BAFF Receptor (TNFRSF13C) (NM_052945) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TNFRSF13C
Synonyms: BAFF-R; BAFFR; BROMIX; CD268; CVID4; prolixin
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC211270 representing NM_052945
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGGCGAGGGCCCGGAGCCTGCGGGGCAGGGACGCGCCAGCCCCACGCCCTGCGTCCCGGCCGAGT
 GCTTCGACCTGCTGGTCCGCCACTGCGTGGCCTGCGGGCTCCTGCGCACGCCGCGGCCGAAACCGGCCGG
 GGCCAGCAGCCCTGCGCCAGGACGGCGCTGCAGCCGAGGATCGGTGGGCGCGGGGGCCGCGAGGGC
 GCGCTGCCCTGCCGGGCTGCTTTGGCGCCCCGCGCTGCTGGCCTGGCACTGGTCTGGCGCTGG
 TCCTGGTGGGTCTGGTGAGCTGGAGCGGCGACAGCGGGCTTCGCGGCGCTCCTCCGAGAGGCCCC
 CGACGGAGACAAGGACGCCCCAGAGCCCTGGACAAGGTATCATTCTGTCTCCGGAATCTCTGATGCC
 ACAGCTCCTGCCTGGCCTCCTCCTGGGGAAGACCCAGGAACACCCACCTGGCCACAGTGTCCCTGTGC
 CAGCCACAGAGCTGGGCTCCACTGAACTGGTGACCACCAAGACGGCCGGCCCTGAGCAACAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC211270 representing NM_052945
 Red=Cloning site Green=Tags(s)

MRRGPRSLRGRDAPAPTPCVPAECFDLLVRHCVACGLLRTPRKPAGASSPAPRTALQPQESVGAGAGEA
 ALPLPGLLFGAPALLGLALVLALVLVGLVSWRRRQRRLRGASSAEAPDGDKAPEPLDKVIIISPGISDA
 TAPAWPPPGEDPGTTPPGHSPVPATELGSTELVTTKTAGPEQQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2751_f01.zip



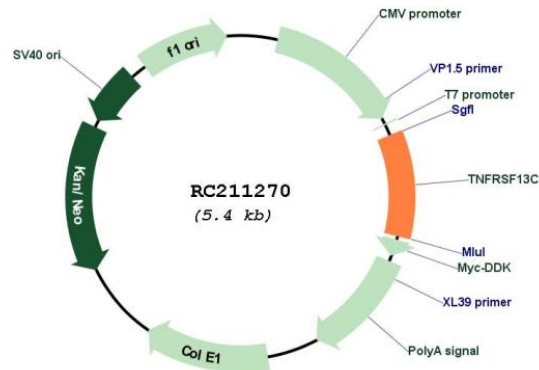
[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



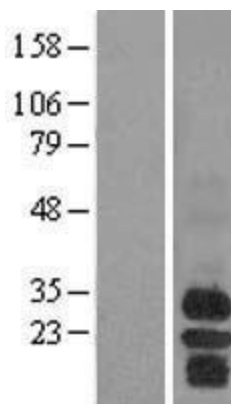
ACCN: NM_052945

ORF Size: 552 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">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_052945.4
RefSeq Size:	898 bp
RefSeq ORF:	555 bp
Locus ID:	115650
UniProt ID:	Q96RJ3
Cytogenetics:	22q13.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Primary immunodeficiency
MW:	18.7 kDa
Gene Summary:	B cell-activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. Overexpression of Baff in mice results in mature B-cell hyperplasia and symptoms of systemic lupus erythematosus (SLE). Also, some SLE patients have increased levels of BAFF in serum. Therefore, it has been proposed that abnormally high levels of BAFF may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells. The protein encoded by this gene is a receptor for BAFF and is a type III transmembrane protein containing a single extracellular cysteine-rich domain. It is thought that this receptor is the principal receptor required for BAFF-mediated mature B-cell survival. [provided by RefSeq, Jul 2008]

Product images:

Western blot validation of overexpression lysate (Cat# [LY409380]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211270 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).