

## Product datasheet for **RG211270**

### **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:** TurboGFP  
**Symbol:** BAFF Receptor  
**Synonyms:** BAFF-R; BAFFR; BROMIX; CD268; CVID4; prolixin  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG211270 representing NM\_052945  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGGCGAGGGCCCGGAGCCTGCGGGGCAGGGACGCGCCAGCCCCACGCCCTGCGTCCCGGCCGAGT  
 GCTTCGACCTGCTGGTCCGCCACTGCGTGGCTGCGGGCTCCTGCGCACGCCGCGGCCGAAACCGGCCGG  
 GGCCAGCAGCCCTGCGCCAGGACGGCGCTGCAGCCGAGGATCGTGGGCGCGGGGGCCGGCAGGGC  
 GCGCTGCCCTGCCGGGCTGCTTTGGCGCCCCGCGCTGCTGGCCTGGCACTGGTCTGGCGCTGG  
 TCCTGGTGGGTCTGGTGAGCTGGAGGCGGCGACAGCGGCGCTTCGCGGCGGCTCCTCCGACAGGCCCC  
 CGACGGAGACAAGGACGCCCCAGAGCCCTGGACAAGGTATCATTCTGTCTCCGGAATCTCTGATGCC  
 ACAGCTCCTGCCTGGCCTCCTCCTGGGAAGACCCAGGAACACCCACCTGGCCACAGTGTCCCTGTGC  
 CAGCCACAGAGCTGGGCTCCACTGAACTGGTGACCACCAAGACGGCCGGCCCTGAGCAACAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG211270 representing NM\_052945  
 Red=Cloning site Green=Tags(s)

MRRGPRSLRGRDAPAPTPCVPACFDLLVRHCVACGLLRTPRPKPAGASSPAPRTALQPQESVGAGAGEA  
 ALPLPGLLFGAPALLGLALVLALVLVGLVSWRRRQRRLRGASSAEAPDGDKAPEPLDKVIILSPGISDA  
 TAPAWPPPGEDPGTTPPGHSPVPATELGSTELVTTKTAGPEQQ

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**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:**

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

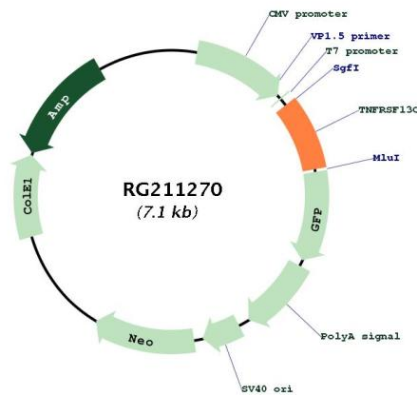
**RefSeq ORF:** 555 bp

**Locus ID:** 115650

**UniProt ID:** [Q96R13](#)

<b>Cytogenetics:</b>	22q13.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Primary immunodeficiency
<b>Gene Summary:</b>	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:**



Circular map for RG211270