

Product datasheet for **RG204672**

BAFF (TNFSF13B) (NM_006573) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAFF (TNFSF13B) (NM_006573) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BAFF
Synonyms:	BAFF; BLYS; CD257; DTL; TALL-1; TALL1; THANK; TNFSF20; TNLG7A; ZTNF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204672 representing NM_006573 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGACTCCACAGAAAGGGAGCAGTCACGCCTTACTTCTTGCCTTAAGAAAAGAGAAGAAATGAAAC
TGAAGGAGTGTGTTTCCATCCTCCACGGAAGGAAAGCCCTCTGTCCGATCCTCAAAGACGGAAAGCT
GCTGGCTGCAACCTTGCTGCTGGCACTGCTGTCTTGTGCCTCACGGTGGTGTCTTTCTACCAGGTGGCC
GCCCTGCAAGGGGACCTGGCCAGCCTCCGGGCAGAGCTGCAGGGCCACCACGCGGAGAAGCTGCCAGCAG
GAGCAGGAGCCCCAAGGCCGGCTGGAGGAAGCTCCAGCTGTCACCGCGGGACTGAAAACTTTGAACC
ACCAGCTCCAGGAGAAGCAACTCCAGTCAGAACAGCAGAAATAAGCGTGCCGTTTCAAGGTCAGAGAA
ACAGTCACTCAAGACTGCTTGAACCTGATTGCAGACAGTGAACACCAACTATACAAAAAGGATCTTACA
CATTTGTTCCATGGCTTCTCAGCTTTAAAAGGGGAAGTGCCTTAGAAGAAAAAGAGAATAAAATATTGGT
CAAAGAACTGGTTACTTTTTATATATGGTCAGGTTTTATATACTGATAAGACCTACGCCATGGGACAT
CTAATTCAGAGGAAGAAGGTCCATGTCTTTGGGATGAATTGAGTCTGGTGAATTTGTTTCGATGTATTC
AAAATATGCCTGAAACTACCAATAATTCCTGCTATTCAGCTGGCATTGCAAACTGGAAGAAGGAGA
TGAACTCCAATTGCAATACCAAGAGAAAATGCACAAATCACTGGATGGAGATGTCACATTTTTGGT
GCATTGAACTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204672 representing NM_006573
 Red=Cloning site Green=Tags(s)

MDDSTEREQSRLTSLKKREEMKLKECVSILPRKESPSVRSSKDGKLLAATLLLALLSCCLTVVSFYQVA
 ALQGDLASLRAELQGHAEKLPAGAGAPKAGLEEAPAVTAGLKIPEPPAPGEGNSSQNSRNKRAVQGPEE
 TVTQDCLQLIADSETPTIQKGSYTFVPWLLSFKRGSALKEKENILVKETGYFFIYGQVL YTDKTYAMGH
 LIQRKKVHVFGDEL SLVTLFRCIQNPETLPNNSCYSAGIAKLEEGDELQLAIPRENAQISLDGDDVTFFG
 ALKLL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006573

ORF Size: 855 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_006573.4](#)

RefSeq Size: 1204 bp

RefSeq ORF: 858 bp

Locus ID: 10673

UniProt ID: [Q9Y275](#)

Cytogenetics: 13q33.3

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Gene Summary: The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RG204672