

Product datasheet for **RG208851**

BCMA (TNFRSF17) (NM_001192) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BCMA (TNFRSF17) (NM_001192) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BCMA
Synonyms: BCM; BCMA; CD269; TNFRSF13A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208851 representing NM_001192
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGCAGATGGCTGGGCAGTGCTCCCAAAATGAATATTTTGACAGTTTGTTCATGCTTGCATACCTT
 GTCAACTTCGATGTTCTTCTAATACTCCTCTAACATGTCAGCGTTATTGTAATGCAAGTGTACCAA
 TTCAGTAAAGGAACGAATGCGATTCTCTGGACCTGTTGGGACTGAGCTTAATAATTTCTTTGGCAGTT
 TTCGTGCTAATGTTTTGCTAAGGAAGATAAGCTCTGAACCATTAGAGGACGAGTTAAAAACACAGGAT
 CAGGTCTCCTGGCATGGCTAACATTGACCTGGAAAAGAGCAGGACTGGTGATGAAATTATCTTCCGAG
 AGGCCTCGAGTACACGGTGAAGAATGCACCTGTGAAGACTGCATCAAGAGCAAACCGAAGTTCGACTCT
 GACCATTGCTTTCCACTCCAGCTATGGAGGAAGGCGCAACCATTCTGTCAACACGAAAACGAATGACT
 ATTGCAAGAGCCTGCCAGCTGCTTTGAGTGCTACGGAGATAGAGAAATCAATTTCTGCTAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208851 representing NM_001192
 Red=Cloning site Green=Tags(s)

MLQMAGQCSQNEYFDSLLHACIPCQLRCSNTPPLTCQRYCNASVTNSVKGTNAILWTCLGLSLIISLAV
 FVLMFLLRKISSEPLEDEFKNTGSGLLGMANIDLEKSRTGDEIILPRGLETVVEECTCEDCIKSKPKVDS
 DHCFLPAMEEGATILVTTKTNDYCKSLPAALSATEIEKSISAR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001192

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_001192.2](#), [NP_001183.2](#)

RefSeq Size: 994 bp

RefSeq ORF: 555 bp

Locus ID: 608

UniProt ID: [Q02223](#)

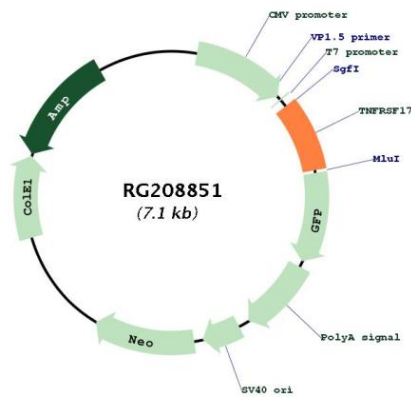
Cytogenetics: 16p13.13

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Gene Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B/TALL-1/BAFF), and to lead to NF-kappaB and MAPK8/JNK activation. This receptor also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208851