

Product datasheet for **RG214450**

BCLAF3 (NM_198279) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BCLAF3
Synonyms:	CXorf23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214450 representing NM_198279
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCACGGTCACGATCTAGATCCCCAGGTGGAACACAGGTCTTTATCACCAGTACCTAGAAATGCTG
 AACACTACAAGCAAAGACATTACACGGGCATTATGGCTGTGAATATAGGAAGGATCCAAAAAGACCCGT
 CGCGTGGAGAAATGGACAGTGAGAAACATGGACAGAGTAAACCAAGGATTCCTCTCGTGGAATATATAT
 TACCACTCTTATGAACATAGATCACCTCCCTAACATAAGAACTCTTTAGAAAAATGTTTATATGTATA
 AGCCTCACAGAGGATATTCGCTGGAAGAGGGGACAGTAACAGGAGAGCTCAGTATATGCCCAAACTACTC
 AGAGGGTATACCTTACAAAGAGCATGAAAGGAATCTTATCCCGAGAAAGTGCAAGGAGGGCATAGTCCT
 GATGACCACAGAGTTAGAGGAAGTGGAAAAGGAGGGAACACCTCAGAGGTCAATAGCAGATTCTTTTA
 GATTTGAAGAAAGTGGCATGAAGATGAGTTGAGGCACAGAGGATACAAGAAGAAAAAATCTCCAGTC
 AACTAGAAGAGGCTCTGAAGACTTTGAGACAAGGAGCTCATTTAGAAGAGGTATCTGAGGATCGTGAT
 TTCAGAAAAATATGGACACACATCAAAAAGACCTAAAGACGTGGAGAGGTATGAAAGCAGAGAGCCTGCCA
 GGAACCCAAAGTGGAAAGCTGAGCATTCCCTCCACCTTACCAAGAGGACACAGACCAAGTGGAACTTGG
 GCCCCAACTTATCGCATGCTGAGAGGGAACCCAGAGACCAAGTTCAGCAACCAAGTATCCTATGAC
 TATCGTCACAAACGTCTAAGCTCTTGGATGGGACCAGGACTTTTCTGATGGGAGAACTCAGAAGTACT
 GTAAGGAAGAAGATAGAAAAATATAGTTTTCAAAAAGGCCCTCTAAATAGAGAGTTAGATTGTTTTAATAC
 TGAAGAGGGAGAGAGACTCAAGATGGACAAGTCAAAGAACCTTTTAAACCGTCTAAGAAAGACAGCATT
 GCCTGTACTTATCAAATAAAAAATGATGTTGATTTGCGATCTAGTAATGACAAATGGAAGGAAAAATAA
 AGAAAGAAGGGGATTGTAGAAAAGAGAGCAATTCTCCAGTAACCAACTTGATAAAAGTCAAAAATCTCC
 TGATGTGAAACCCCTCGCCTATCAATCTTAGGAAGAAATCACTTACAGTTAAAGTAGATGTGAAGAAAAACA
 GTAGATACATTAGGGTTGCTTCTAGCTATTCCACAGAGAGACAGATGTCACATGATTTGGTTGCTGTTG
 GCAGGAAAAGTGAGAACTTTTATCCAGTGTGTTGAACATCTTGACTCAACTCAGAATACTGAAACAAACC
 TACAGGAGAATTTGCTCAGGAAATCATAACAATAATCCATCAAGTTAAAGCAAAATATTTTCCATCACCT
 GGCATTACTTTACATGAGCGTTTCTCAACAATGCAAGATATACACAAGGCAGATGTAATGAAATTCAT
 TGAATTCAGATCCAGAAATACACAGGAGAATAGATATGTCTTTGGCCGAGCTTCAGAGTAAACAAGCTGT
 GATCTATGAATCGAACAGACTCTGATCAAAATAATAGATCCAAATGACCTACGACATGACATTGAAAGA
 AGGCGAAAAGAACGGTTACAGAAATGAAGATGAGCACATTTTTCACATAGCTAGTCTGCAGAGAGGGATG
 ATCAGAAATCCAGTTTTTCAAAGAATTATACTACGCAGAGAAAAGACATAATTACTCACAACCAATTGGA
 GGTTGAGGGAACCAACCGAAACACAAGAGTAAGACCTTTTAAGAGCAACTTTAGAGGTGGCAGATGCCAG
 CCCAATTATAAATCAGGCCTGGTACAGAAGAGCTTGATCATTCAGGCTAAGTATCAGCGTTACGGTTCA
 CTGGCCCAAGGGGATTATCACTATAAGTTACAGAAAGATTAATGAGAAAAAAGAAGGAATATACAGA
 GTTGGCCACAGGAATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

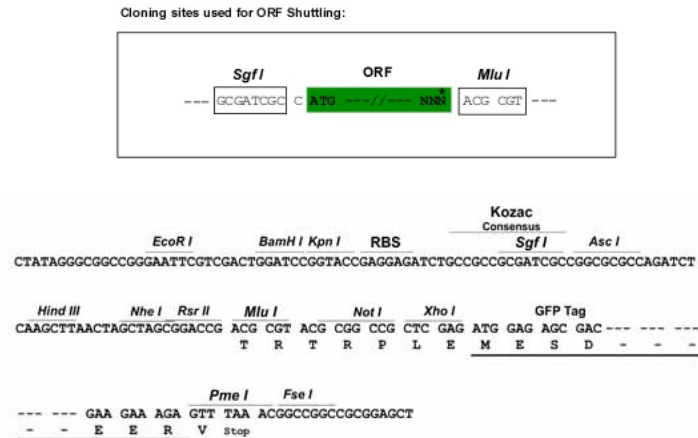
Protein Sequence: >RG214450 representing NM_198279
 Red=Cloning site Green=Tags(s)

MARSRSRSPRWKHSRLSPVPRNAEHYKQRHSHGHYGCEYRKDPKRPVAVWRMDSEKHGQSKPRIPSRGNIY
 YQSYEHRSPSPNIRNSLENVYMYKPHRGYSPGRGDSNRRAYMPKYSEGIPYKEHERNSYPQKVQGGHSP
 DDHRVRGSGKGGKPPQRSIADSFREFGKWEDEL RHQRIQEEKYSQSTRRGSEDFETRSSFQKRYPEDRD
 FRKYGHTSKRPKDVYESREPARNPWKPEHSLPPYQEDTDQWNLGPQTYRHAEREHPETSSATKVSVD
 YRHKRPKLLDGDQDFSDGRTQKYCKEEDRKYSFQKGPLNRELD CFNTGRGRETQDQVKEPFKPSKKDSI
 ACTYSNKNVDLRSNDKWKEIKKEGDCRKESSSSNQLDKSQKLPDVKPSPINLRKKSLTVKVDVKKT
 VDTFRVASSYSTERQMSHDLVAVGRKSENFHPVFEHL DSTQNTENKPTGEFAQEIIITIIHQVKANYFPSP
 GITLHERFSTMQDIHKADVNEIPLNSDPEIHRRIDMSLAELQSKQAVIYESEQTLIKIIDPNDRHDIER
 RRKERLQNEDEHIFHIIASAAERDDQNSFSKNYTTQRKDIITHKPFVEGNHRNTRVRPFKSNFRGGRCQ
 PNYKSLVQKSLYIQAKYQRLRFTGPRGFI THKFRERLMRKKKEYTDVATGI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198279

ORF Size: 2046 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.

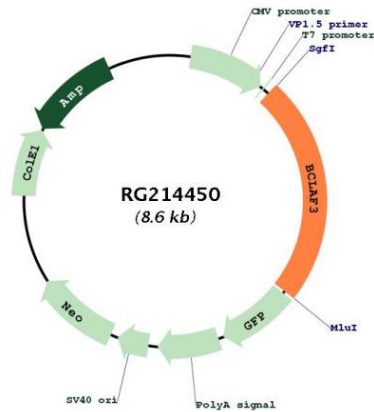
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_198279.3](#), [NP_938020.2](#)

RefSeq Size: 3354 bp

RefSeq ORF:	2049 bp
Locus ID:	256643
UniProt ID:	A2AJT9
Cytogenetics:	Xp22.12
Protein Families:	Druggable Genome

Product images:



Circular map for RG214450