

Product datasheet for **RG210489**

Bcl 7A (BCL7A) (NM_001024808) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bcl 7A (BCL7A) (NM_001024808) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Bcl 7A
Synonyms: BCL7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210489 representing NM_001024808
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGACGGTCGGTTCGAGCCGAGACGAGGAGCCGGGCCAAAGATGATATCAAGAGGGTCATGGCGG
CGATCGAGAAAGTGCACAAATGGGAGAAGAAATGGGTGACCGTTGGTGACACATCCCTACGAATCTACAA
ATGGGTCCCTGTGACGGAGCCCAAGGTTGATGACAAAAACAAGAATAAGAAAAAGGCAAGGACGAGAAG
TGTGGCTCAGAGGTGACCACTCCGAGAACAGTTCCTCCCGAGGATGATGGACATGCATGACGATAACA
GCAACCAGAGCTCCATCGCAGATGCCTCCCCATCAAACAGGAGAACAGCAGCAACTCCAGCCCCGCTCC
AGAGCCCAACTCGGCTGTGCCAGCGACGGCACCAGGCCAAGGTGGATGAGGCCAGGCTGATGGGAAG
GAGCACCAGGAGCTGAAGATGCTTCTGATGAGCAGAATTCACAGTCTCGATGGAACATTCGATGAACA
GCTCAGAGAAAGTAGATCGGCAGCCGTCTGGAGACTCGGGTCTGGCCGACAGACGTCTGCAATCTCTCA
GGATTTGGAAGGAGTGCCACCCTCTAAAAAGATGAAACTGGAGGCCTCTCAACAAAACCTCCGAAGAGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210489 representing NM_001024808
Red=Cloning site Green=Tags(s)

MSGRSVRAETRSRAKDDIKRVMAAIEKVRKWEKKWVTVDGTSRLRIYKWVPVTEPKVDDKNKNNKKGKDEK
CGSEVTTPENSSSPGMMMDHDDNSNQSSIADASPIKQENSSNPAPENSAVPSDGEAKVDEAQADGK
EHPGAEASDEQNSQSSMEHSMNSSEKVDQRQPSGDSGLAAETSAISQDLEGVPPSKMKMLEASQNSEEM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001024808

ORF Size: 630 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_001024808.3](#)

RefSeq Size: 3651 bp

RefSeq ORF: 633 bp

Locus ID: 605

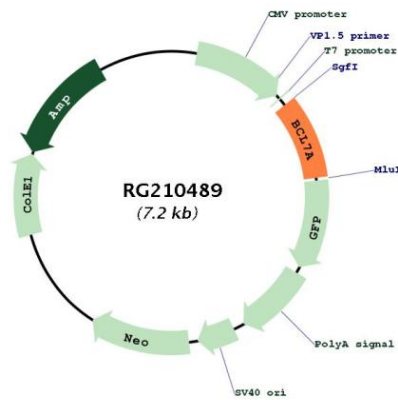
UniProt ID: [Q4VC05](#)

Cytogenetics: 12q24.31

Protein Families: Druggable Genome

Gene Summary: This gene is directly involved, with Myc and IgH, in a three-way gene translocation in a Burkitt lymphoma cell line. As a result of the gene translocation, the N-terminal region of the gene product is disrupted, which is thought to be related to the pathogenesis of a subset of high-grade B cell non-Hodgkin lymphoma. The N-terminal segment involved in the translocation includes the region that shares a strong sequence similarity with those of BCL7B and BCL7C. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG210489