

## Product datasheet for **RG223737**

### **Bcl 7A (BCL7A) (NM\_020993) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl 7A (BCL7A) (NM_020993) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BCL7A
Synonyms:	BCL7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223737 representing NM_020993 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGGCAGGTCGGTTCGAGCCGAGACGAGGAGCCGGGCCAAAGATGATATCAAGAGGGTCATGGCGG  
CGATCGAGAAAGTGCCAAATGGGAGAAGAAATGGGTGACCGTTGGTGACACATCCCTACGAATCTACAA  
ATGGGTCCCTGTGACGGAGCCCAAGGTTGATGACAAAAACAAGAATAAGAAAAAGGCAAGGACGAGAAG  
TGTGGCTCAGAGGTGACCACTCCGGAGAACAGTTCCTCCCAGGGATGATGGACATGCATGACGATAACA  
GCAACCAGAGCTCCATCGCAGATGCCTCCCCATCAAACAGGAGAACAGCAGCAACTCCAGCCCCGCTCC  
AGAGCCCAACTCGCTGTGCCAGCGACGCACCGAGGCCAAGGTGGATGAGGCCAGGCTGATGGGAAG  
GAGCACCAGGAGCTGAAGATGCTTCTGATGAGCAGAATTCACAGTCTCGATGGAACATTTCGATGAACA  
GCTCAGAGAAAGTAGATCGGCAGCCGTCTGGAGACTCGGGTCTGGCCGCAGAGACGTCTGCAATCTCTCA  
GGTACCTCGCTCGAGGTCTCAGAGGGGCAGCCAGATCGGCCGGGAGCCATTGGGTTGTCCGGGGATCTG  
GAAGGAGTGCCACCCTCTAAAAAGATGAACTGGAGGCCTCTCAACAAAACCTCCAAGAGATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG223737 representing NM\_020993  
 Red=Cloning site Green=Tags(s)

MSGRSVRAETRSRAKDDIKRVMAAIEKVRKWEKKWVTVGDTSLRIYKWVPVTEPKVDDKNKKNKKGKDEK  
 CGSEVTTPENSSSPGMMDMHDDNSNQSSIADASPIKQENSSNPAPENSAVPSDGTEAKVDEAQADGK  
 EHPGAEDASDEQNSQSSMEHSMNSSEKVDQRQPSGDSGLAAETSAISQVPRSRSRQSGSIGREPIGLSGDL  
 EGVPPSKMKMLEASQQNSEEM

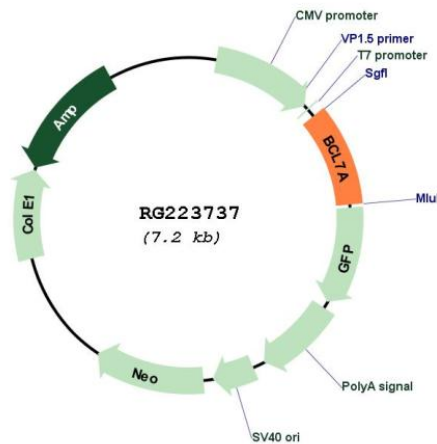
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_020993

**ORF Size:** 693 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_020993.3</a> , <a href="#">NP_066273.1</a>
<b>RefSeq Size:</b>	3714 bp
<b>RefSeq ORF:</b>	696 bp
<b>Locus ID:</b>	605
<b>UniProt ID:</b>	<a href="#">Q4VC05</a>
<b>Cytogenetics:</b>	12q24.31
<b>Domains:</b>	BCL_N
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]