

## Product datasheet for **RG225700**

### **Cbl c (CBLC) (NM\_001130852) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cbl c (CBLC) (NM_001130852) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CBLC
Synonyms:	CBL-3; CBL-SL; RNF57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225700 representing NM_001130852 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCTGGCGGTGGCCCCGTGGGGGCGACAGTGGGAAGAGGCCCGCCCTGGGCCGGGCAGTCAGGA  
TGCTGCAGCGCCTAGAAGAGCAATGCGTCGACCCCGGCTGTCCGTGAGTCCCCCTTCGTCGCGGACCT  
GCTGCCCCGCACAGCGCAGCTGCTTCGAGAGGTGGCCATTCTCGCGGGCGGCCGGGAGGCGGCCCC  
GGGGTCCCGCGGCTCTGGGACTTTCTACTCATCTACCTGGCCAATCTGGAGGCCAAGAGCAGGCAGG  
TGCCCGCTGTGCCTCCCGGGGCCAAGGAGTGCCAACGACGAGCTTCCGGCGGGCTCCAGACT  
CAGGCGACAGCTGGCCAAGCTGGCCATCATCTTCAGCCACATGCACGCAGAGCTGCACGCACTTTCCCC  
GGGGAAAGTACTGTGGACACATGTACCAGCTCACCAAGGCCCCCGCCACACCTTCTGGAGGAAAGTT  
GCGGAGCCCGGTGTGTGCTGCCCTGGGCTGAGTTTGTGCTCCCTGGGCACCTGCCACCCTGTGGAACC  
AGGCTGCACAGCCCTGGCCTTGGCACCACCATTTGACCTCACCTGCAGCGGGCAGTGTCCATCTTCGAG  
TTCGAGCTTTCACCAGGCTCTTTCAGCCATGGCCAACACTCCTCAAGAACTGGCAGCTCCTGGCAGTCA  
ACCACCAGGCTACATGGCCTTCTCACCTATGATGAGGTCCAAGAGCGTCTGCAGGCTGCAGGGACAA  
GCCAGGCAGCTACCTCTACCCAGATGGAAAGACCACAACCCAGACCTGACTGAGCTCGGCCAGGCAGAA  
CCCCAGCAGCGCATCCAGTGTGAGAGGAGCAGCTGCAGCTCTACTGGCCATGGACTCCACATTTGAGC  
TCTGCAAGATCTGTGCTGAGAGCAACAAGGATGTGAAGATTGAGCCGTGCGGGCACCTGCTTGCAGCTG  
CTGCCTGGCTGCCTGGCAGCACTCGGACAGCCAGACCTGCCCTTCTGCCGCTGCAGATCAAGGCTGG  
GAGGCCGTGAGTATCTACCAGTTCACGGTCCAGGCTACTGCTGAGGACTCAGGGAACAGCAGTGACCAGG  
AAGGCAGGGAGTTGGAGCTGGGGCAGGTGCCCTTTTCGGCTCCTCCATTGCCCCACGGCCAGATCTGCC  
CCCCAGGAAGCCAGAAATGCCAGCCGAAAGTGAGACTCTAAAGGGAACTCCCCTCCAGCTGCGCTG  
GGACCCAGGACCCTGCCCGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225700 representing NM\_001130852  
 Red=Cloning site Green=Tags(s)

MALAVAPWGRQWEEARALGRAVRMLQRLEEQCVDPRLSVSPPSLRDLLPRTAQLLREVAHSRRAAGGGP  
 GGPGGSGDFLLIYLANLEAKSRQVAALLPPRGRRSANDELFRAGSRLRRQLAKLAIIFSHMAELHALFP  
 GGKYGCHMYQLTKAPAHTFWRESCGARCVLPAEFESLLGTCHPVEPGCTALALRTTIDLTC SGHVSIFE  
 FDVFTRLFQWPWPTLLKNWQLLAVNHPGYMAFLT YDEVQERLQACRDKPGSYLYPDGKTHNPDLTELGOAE  
 PQQRIHVSEEQLQLYWAMDSTFELCKICAESNKDVKIEPCGHLLCSCCLAAWQHSDSQTCPFCRCEIKGW  
 EAVSIYQFHGQATAEDSGNSSDQEGRELELQGVPLSAPPLPPRPDLPPRKP RNAQPKVRLKGN SPPAAL  
 GPQDPAPA

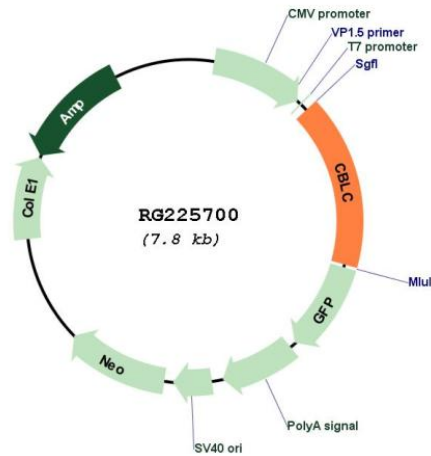
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001130852

<b>ORF Size:</b>	1284 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_001130852.1</a> , <a href="#">NP_001124324.1</a>
<b>RefSeq Size:</b>	1453 bp
<b>RefSeq ORF:</b>	1287 bp
<b>Locus ID:</b>	23624
<b>UniProt ID:</b>	<a href="#">Q9ULV8</a>
<b>Cytogenetics:</b>	19q13.32
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Chronic myeloid leukemia, Endocytosis, ErbB signaling pathway, Insulin signaling pathway, Jak-STAT signaling pathway, Pathways in cancer, T cell receptor signaling pathway, Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	This gene encodes a member of the Cbl family of E3 ubiquitin ligases. Cbl proteins play important roles in cell signaling through the ubiquitination and subsequent downregulation of tyrosine kinases. Expression of this gene may be restricted to epithelial cells, and alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]