

Product datasheet for **RG205130**

Cbl c (CBLC) (NM_012116) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cbl c (CBLC) (NM_012116) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cbl c
Synonyms:	CBL-3; CBL-SL; RNF57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205130 representing NM_012116
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTGGCGGTGCCCGTGGGGGCGACAGTGGGAAGAGGCCCGCGCCCTGGCCGGGCAGTCAGGA
 TGCTGCAGCGCCTAGAAGAGCAATGCGTCGACCCCGGCTGTCCGTGAGTCCCCCTTCGCTGCGGGACCT
 GCTGCCCGCACAGCGCAGCTGCTTCGAGAGGTGGCCATTCTCGGCGGGCGGCCGGGAGGCGGCCCC
 GGGGGTCCCGCGGCTCTGGGACTTTCTACTCATCTACCTGGCCAATCTGGAGGCCAAGAGCAGGCAGG
 TGGCCGCGCTGCTGCCTCCCGGGGCGGAAGGAGTGCCAACGACGAGCTTCCGGGCGGCTCCAGACT
 CAGGCGACAGCTGGCCAAGCTGGCCATCATCTTCAGCCACATGCACGCAGAGCTGCACGCACTCTCCCC
 GGGGAAAGTACTGTGGACACATGTACCAGCTACCAAGGCCCGCCACACCTTCTGGAGGGAAAGTT
 GCGGAGCCCGGTGTGTGCTGCCCTGGGCTGAGTTGAGTCCCTCTGGGACCTGCCACCCTGTGGAACC
 AGGCTGCACAGCCCTGGCCTTGGCACCACCATTGACCTCACCTGCAGCGGGCACGTGTCCATCTTCGAG
 TTTCGACGTCTTACCAGGCTCTTTCAGCCATGGCCAACACTCCTCAAGAACTGGCAGCTCCTGGCAGTCA
 ACCACCCAGGCTACATGGCCTTCTCACCTATGATGAGGTCCAAGAGCGTCTGCAGGCTGCAGGGACAA
 GCCAGGCACTTACATCTTCCGGCCAGCTGACTCGCCTGGGCGAGTGGCCATCGGCTATGTGAGCTCA
 GATGGCAGCATCTGCAGACCATCCCTGCCAACAAACCCCTGTCCAGGTGCTCCTGGAGGGACAGAAGG
 ACGGCTTCTACCTTACCAGATGGAAAGACCCACAACCCAGACCTGACTGAGCTCGCCAGGCAGAACC
 CCAGCAGCGCATCCACGTGTGAGAGCAACAAGGATGTGAAGATTGAGCCGTGCGGGCACCTGCTCTGCAGCTGCT
 GCCTGGCTGCCTGGCAGCACTCGGACAGCCAGACCTGCCCTTCTGCCGCTGCGAGATCAAGGGCTGGGA
 GGCCGTGAGTATCTACCAGTTCACGGTACGGCTACTGCTGAGGACCCAGGGAACAGCAGTGACCAGGAA
 GGCAGGGAGTTGGAGCTGGGCGAGGTGCCCTTTCGGCTCCTCCATTGCCCCACGGCCAGATCTGCCCC
 CCAGGAAGCCAGAAATGCCAGCCGAAAGTGAGACTCCTAAAGGGGAACTCCCTCCAGCTGCGCTGGG
 ACCCCAGGACCCTGCCCGGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205130 representing NM_012116
 Red=Cloning site Green=Tags(s)

MALAVAPWGRQWEEARALGRAVRMLQRLEEQCVDPRLSVSPPSLRDLLPRTAQLLREVAHSRRAAGGGP
 GPGGGSGDFLLIYLANLEAKSRQVAALLPPRGRRSANDELFRAGSRLRRQLAKLAIIFSHMAELHALFP
 GGKYCGHMYQLTKAPAHTFWRESCGARCVPWAEFESLLGTCHPVEPGCTALALRTTIDLTCSGHVSIFE
 FDFVTRFLFQPWPTLLKNWQLLAVNHPGYMAFLTYDEVQERLQACRDKPGSYIFRPSCTRLGQWAIQYVSS
 DGSILQTIIPANKPLSQVLLLEGQKDFYLYPDGKTHNPDLTELGQAEPQQRIVHVEEQQLLYWAMDSTFEL
 CKICAESNKDVKIEPCGHLLCSCCLAAWQHSDSQTCPFCRCEIKGWEAVSIYQFHGQATAEDPGNSSDQE
 GRELELGQVPLSAPPLPPRPDLPPRKRPRNAQPKVRLKGNSPPAALGPQDPAPA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_012116

ORF Size: 1422 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_012116.2](#), [NP_036248.2](#)

RefSeq Size: 1575 bp

RefSeq ORF: 1425 bp

Locus ID: 23624

UniProt ID: [Q9ULV8](#)

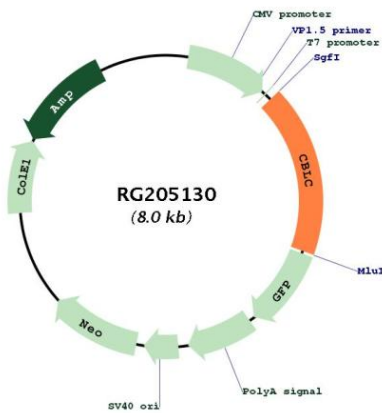
Cytogenetics: 19q13.32

Protein Families: Druggable Genome

Protein Pathways: 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

Gene Summary: 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]

Product images:



Circular map for RG205130