

Product datasheet for **SC102986**

CBL (AK092300) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CBL (AK092300) Human Untagged Clone
Tag:	Tag Free
Symbol:	CBL
Synonyms:	C-CBL; CBL2; FRA11B; NSLL; RNF55
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK092300, the custom clone sequence may differ by one or more nucleotides

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TCAGGACCCAAAGATCCTTTAGTCAGTTGTTGGGCTTCCAAGAGCCAGACATTAATACAGATTGAACTC
CATCAGTCCCCTAATTGTCAGCCTTACCTCCCTCCCAGAGCAAGGAGTTTAGGGATTCTAAGCTTAGT
GTCCACACATCATTCTACCAGACCTTAGAGCTTTAGAAGCTCAATCTAAAATACTGTAACAGCATAAA
CTATTACTATCACTCCTTTGAACTCAGTCTCCATGAGCAGTGTTTTGTTGGAAATACATAGAACGGCTTA
ATGCCTAGAGGGTGGTGGATAGTGAAGGACGGTCAAGGTTATATTTTTGACTGCTTAGGGATTCTTTGGA
TACAAGAAACAGAAATGTTCAAGCGGAATAAAGGAGGGAGTGGAGTTGTGGTAAGGATGCAGGGATTTC
GCAGAACCAGGACGGGAAGTGCCTTTGGTCTTGGGTGGAGCTGGAAGTGCAGAGCTTTGCACCTAGTC
CTTTCTCCCGCTCACAGTCTGCTTATGGTATATGTGGCCCCAAATAGGCACTCTAGTCTCAAGTCTA
CACCACCTTCCAAGTCTGGGGATCACCATGAACAAATTCTCAATTTCCCATCTTAATTTTTTTTTTTTT
TGAGATGGAGTCTCGCTGTGCGCCAGGCTGGAGTGCAGTGGTGCAGTCTCAACTCACCACAACCTCCG
CCTCCCAGGTTCAAGCAGTTCTGCTCAACCTCCCAGTAGCTGGGATTACAGGCGCCTGCCACCATG
CCAGCTAATGTTCAATTTTTAGTAGAGACAGGGTTTACCCTGTTGGCTAGGCTGGTCTTGAAGTCTCT
GACCCTCATGATCCACCCACCTCGGCTCCCAAAGTGTAAGATTACAGGCGTGAGCCACCGCGCCCGGC
CCATACTTCGTATTCTTAAAAAAACTACACTCAGCCAGCACATTGATCAAGTATCTATCTGAGCAG
TTGGCCTTGCCAGGGAGAGCAGAGATGTGGCAGGCTCCTTCAGCTGGAGACAGGGAGCTTCTCAGAGAAG
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TGCTTAGTGGACAGGAAGGCACAGGAGTTGTCTGGGACATCATAGAAATCTTAGGTTTAACTTAATTC
TGGTCAATGTCTCTTTATTTCTGTTTTCTTCCCTTGTGAGTCTTCGCATCCAAGATTCTTCCCTC
CCTCTTGTGGCCAGCCTGTCTGTCCAGAGTAGCCTGTTCCTGGGTAGCCTTCTTAGCTCCATT
AGCCTCAGGTCTTTTGCCTTCTCCGTGTTTTATTAGAGAGCAGAATCTAATAACGGGTTCCACTGTAGC
CACTATCCATGGACTTCTGGTCTCTTCAAGTGTGAGTCTTGAATGTTTCTCTGCGCTTGTGG
CCTGTCTCCTCCACTCTCCTCCTCACCTCCTCGCTCCTTCTGTGTGAGGGCCGCTCTGCAGTAATGTTT
TCAGGCAAGCCTTCTAGGCACCTCAGAAACTACTTTGCCAGAGCCAGTAAGAATATATAATATTGGAGC
AGTTGCCAGGATAGAAATTAATATAGATTCCAGTTTAGGATAGAGTTTTTACCAGAGCTCTTTAGACA
GTATACCTGTGTCTTCTGGCAATTGCTTTCATTTTAGTCTATATAAAAGCTTCTTTTCTGTTTTT
TTTTAAACTATGCTTTTGTTCCTAAATCTTTGATCTTATATTTCTCTCATCTCAGAGCCTGTCTG
AGTTGTAAGGTATTTCACTGCCTTACTTAAAAGTTTTTAACTACTAGAGTCAATTTGATACACACAG
AAGTTACCTAATAATCCAAGATGTCCATCAAGGAGGAAGGGTGGGTCATCAGACTTTGCCTTTGATGT
TGTAGACTAGGCTCCTGAGTTAAGCAGCAGAGGGACAGCAGTGCATGTGCCTTCACTGTGTCCCAGGAA
ATCTGGGTTGGTCCAGTGGGAAATACCAGTATTTCTGGTCTGGAAAGTAGCAAAAGAGTAGGAGATG
GGGAAATAGGGATGGGGAGAGCAAGCCCCGCATGTCCATGGCGAGTCAAGTGGGGAGCACGGGTGGAAGG
GCCGGCTGTTGACAGACAGACTAAGCTGTGTGGTGTCTTGGCCCTTCTGGGTACAGAGCTTGAGA
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TGGCAGCTGAAGAAATCAGCAGAGTCTGATTGCCTGATTCAGTCCAAAAATGAATGTCAGGCCCCGCC
CCCTCCCACCAACATTGCCTCTCTACATTCTCTTCTGCCCCAAATCAGACAGAGGGCCAGAGAGGA
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GCCATGCTTATGGCCATCTTAAACTGGAGAGGCAGAGAACTACTTATGAGTCTGTAGACCACGTGTTGT
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CTCCTGACCTACCCTGCTCAGCACTGTTCTAGTGTCTTGGCCTTGAAAGAAAAGCCTGACTTCTGCTGA
CACATGTGGTAGGGCATGGCAGCTATGAGGCACCTCCTACGTCTGTTTTCTGGCTGTGGTACTTGGGA
TTTTAACCTTATATATCTTTTTCTTTACTCAAAACAAAACAATTTTTAGCACACTG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AK092300 unedited</p> <pre>TCAGATTTTGTAAACGACTTACTATAGGGCGGCCGCAAATTCGCACGAGGCTTTGATA ATGCCTGGGAGATTCTTGGTGAAGTGTATGGATACCGACTGTTTTATGTTGGAATT TGTTCCAACATAATTAGAATCTGTTTGGTGAGTTGAAAGGTAAGTTGGCTCAGAGTTGCA CAGTAGGGCATTAAATGTTTAAGCAAAGCATCTGCCACACTCCCCTTCCAATCTAGTG CCTTCCTTGAACTTTTCTGAGCTGCTACGTCCTAATCCCCCTTGTGGGAGGATTTT CGTATCACCTTATGGGACCTGCACCATGTCTGTACTATTTGGAATTGGTTTTCCAGT CTTCAACAACCGTTGTGGCTAACTATGTTTTAGAAGGGCTGGAGGTGTGGGCCCTGTCT TCGGGTCTCAGGACCCAAAGATCCTTTAGTCAGTTGTTGGGTCTTCCAAGAGCCAGACAT TAATACAGATTGAACTCCATCAGTCCCCTAATTGTGAGCCTTTACCTCCCTCCCAGAGCA AGGAGTTTAGGGATTCTAAAGCTTAGTGTCCACACATCATTCTACCAGACCTTAGAGCTT TAGAAGCTCAATCTAAAATACTGTAACCTCAGCATAAACTATTACTATCACTCCTTTGAAC TCAGTCTCCATGAGCAGTGTGTTTGGAAATACATAGAACGGCTTAATGCCTANAGGGT GGTGGATAGTGAAGGACGGTCAAGGTTATATTTTTGACTGCTTANGGATTCTTTGGATAC AAGAACAGAAATGTTCAAGCGGAATAAAGNAGGAGTGGAGTTGTGGTAGGATGCAGGGTA TTTCGCAGACCCAGACGGGAAGTGCCTTTGTCTTGGTGGAGCTGAACTGCAAGCTTGCAC TAGTCTTTCTCCGCTACAGCTGCTATGGATATGTGCCCAAAGCACCTATNCTCAGTTCA CACTTCATTTGGG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AK092300 unedited</p> <pre>GCTCATTTATGNACCGCGGCACGCAATTCTNANGATCGAGTTTTTTTTTTTTTTTTTCA GTGTGCTAAAAATTGTTTTGTTTTGAGTAAAGGGAGAAAAGATATATAAGGTTAAAAATC CCAAGTACCACAGCCAGAAAACAGACGTAGGAGGTGCCTCATAGCTGCCATGCCCTAC CACATGTGTCAGCAGGAAGTCAGGCTTTTCTTTCAAGGCCAAGCACTAGAACAGTGCTG AGCAGGGTAGGTAGGAGGCATTTACTCTCATGGGCATTGCGTTGCAGGCTCACTCACCC AGACAGCAGGAGAAAACAGGCCATGGAAGACAACACGTGGTCTACAGACTCATAAGTAGTT CTCTGCCTCTCCAGTTTTAAGATGGCCATAAGCATGGCCACCCTCACCCACAAGAAGGTC AGAGGTAGGTAGAGAGGAGGGAGCTGACACACAGGCACCCAGGACACCCTGCTTCAGGGC TCAGCATGGAGGTGGCACAAGGCCTGAGGAGTTGCACATAGCACGCATTGAGCAATACTC TCTCTGGCCTCCTGTCTGATTTAGGGGCAGAAGGAGAATGTANGATAGGCAATGTTGGT GGGGAGGGGGCGGGCCTGACATTCATTTTTGGGACTGAATCANGCAATCAGGACTCTG CTGATTTCTCAGCTGCCAAATCAGGAGATCTGAGGTTGGCTTTTGGGCTTTGCTCTGTA CAAACACAGGGAGTGGTCGGCTGCATTTTTCTCAAGCTCTGTACCCAGGAAGGGGGCGGG CAGAGCACACAGCTTAATCTGTCTGTCAACAGCCGGGCTGCCACCCGTGCTCCCCA CTGACTCGCATGGACATGCGGGGCTTGCTCTCCATCCTATTTCCCATCTNCTACTCTTT GCTACTTTCA</pre>
Restriction Sites:	NotI-NotI
ACCN:	AK092300
Insert Size:	3500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	AK092300.1
RefSeq Size:	2928 bp
RefSeq ORF:	2928 bp
Locus ID:	867
Cytogenetics:	11q23.3
Protein Families:	Druggable Genome, Transcription Factors
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:	<p>This gene is a proto-oncogene that encodes a RING finger E3 ubiquitin ligase. The encoded protein is one of the enzymes required for targeting substrates for degradation by the proteasome. This protein mediates the transfer of ubiquitin from ubiquitin conjugating enzymes (E2) to specific substrates. This protein also contains an N-terminal phosphotyrosine binding domain that allows it to interact with numerous tyrosine-phosphorylated substrates and target them for proteasome degradation. As such it functions as a negative regulator of many signal transduction pathways. This gene has been found to be mutated or translocated in many cancers including acute myeloid leukaemia, and expansion of CGG repeats in the 5' UTR has been associated with Jacobsen syndrome. Mutations in this gene are also the cause of Noonan syndrome-like disorder. [provided by RefSeq, Jul 2016]</p>