

## Product datasheet for **MC226392**

### **Cbln2 (NM\_001302356) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cbln2 (NM_001302356) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cbln2
Synonyms:	6330593N19Rik; A730004O05
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226392 representing NM_001302356 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCCGCGCTGGCCAGGGCCCCAGAGGGCCGCTGCTGAGCATGCCCGGGCGCCGGGGGGCGCTGCGTG  
AGCCAGCCGACTTTGGCTCCAGCCTGGGGCGGTGCTGGCCCTGCTGTTGCTGCTGCTGCCCGCCTGCTG  
CCCCGTAAGGGCTCAGAACGACACGGAGCCCATCGTGCTAGAGGGCAAGTGCCTGGTAGTGTGCGATTCC  
AGCCCATCGGGGATGGCGCCGTCACTTCCCTGGGCATTTCTGTGCGCTCAGGCAGTGCCAAGGTGG  
CCTTCTCCGCTACTCGGAGCACCACCAGGAGCCGTGAGAGATGAGCAACCGTACCATGACCATCTACT  
CGACCAGGTCTTAGTAAACATTGGCAACCACTTTGACCTTGCCCTCCAGTATATTTGTAGCACCAAGAAAAG  
GGAATTTATAGCTTCCAGCTTCCAGTGGTCAAAGTGTACAACAGACAACTATCCAGGTCAGCTTAATGC  
AGAATGGTACCCGGTGATCTCTGCATTTGCCGGAGACCAGGATGTTACCAGGGAAGCAGCCAGCAATGG  
TGTTCTGCTGCTCATGGAAGAGAAGACAAAGTTCATCTCAAAGTACAGAGAGGCAACCTCATGGGAGGC  
TGAAATACTCCACATTCTCGGGCTTCTGGTTTTTCTCTA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001302356
Insert Size:	675 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001302356.1</a> , <a href="#">NP_001289285.1</a>
<b>RefSeq Size:</b>	2493 bp
<b>RefSeq ORF:</b>	675 bp
<b>Locus ID:</b>	12405
<b>UniProt ID:</b>	<a href="#">Q8BGU2</a>
<b>Cytogenetics:</b>	18 58.63 cM
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to a family of secreted neuronal glycoproteins. The transcript is broadly expressed in the embryonic and adult brain with higher levels in some regions including the olfactory bulb, thalamus, and cerebral cortex. The protein can bind to presynaptic neurexins and induce synaptogenesis in cultured neurons. Null mutant mice are viable, fertile and do not display obvious neuroanatomical defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 3. Variants 1, 2, 3, 4, 5 and 6 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>