

Product datasheet for **RR200794**

Cbln4 (NM_001109210) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cbln4 (NM_001109210) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cbln4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200794 representing NM_001109210
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGCTCCGCGCCGGGGCGTGTCCGTGGTACCAGCTGTTCTGCTGGTCTCGTGTGCCTGTCTGGG
CACAGAATGACACGGAACCGATCGTTCGGAGGGCAAGTGTCTGGTGGTGTGCGACTCGAACCCAGCCAC
AGACTCCAAGGGATCATCTTCCCTCCCTCTGGGATATCGGTCCGGGCAGCGAACTCCAAGTGGCCTTT
TCAGCGGTTCCGGAGCACCAACCAGGACCATCTGAGATGAGCAACAAGACTCGCATCATTTACTTTGATC
AGATCCTGGTTAACGTGGTAATTTTTTACACTGGAATCCGTCTTTGTGGCACCAGGAAAGGGATCTA
CAGTTTACGTTTTACGTCATTAAGTCTACCAGAGCCAAACCATCCAGGTTAACTTGATGTTAAATGGA
AAGCCAGTCATCTCTGCATTTGCCGGCGATAAGGACGTGACCCGCGAAGCCGCCACGAAACGGAGTGTAC
TGTACCTGGACAAAGAAGATAAGGTCTACCTGAAACTGGAGAAAGGTAACCTTGCTTGGCGCTGGCAGTA
TTCCACGTTTTCTGGCTTTCTGGTGTTCGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200794 representing NM_001109210
Red=Cloning site Green=Tags(s)

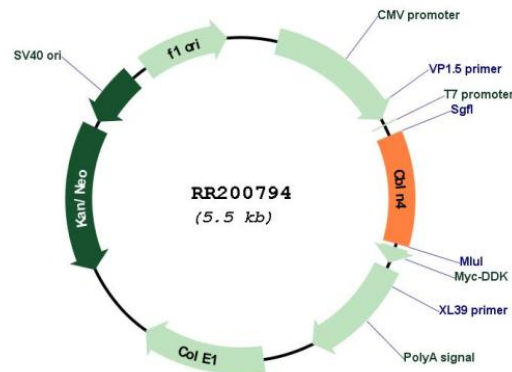
MGSARRALSVVPAVLLVLVLPVWAQNDTEPIVLEGGKCLVVCDSNPATDSKGSSSSPLGISVRAANSKVA
SAVRSTNHEPSEMSNKTRIIYFDQILVNVGNFFTLESVAVPRKGIYSFHFVHKVYQSQTIVNMLMLNG
KPVISAFAGDKDVTREATNGVLLYLDKEDKVYLKLEGNLLGGWQYSTFSGFLVFPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001109210

ORF Size: 594 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:	<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:	<u>NM_001109210.1, NP_001102680.1</u>
RefSeq Size:	2903 bp
RefSeq ORF:	597 bp
Locus ID:	499947
Cytogenetics:	3q42
MW:	21.6 kDa