

Product datasheet for **MG201963**

Cbln4 (NM_175631) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cbln4 (NM_175631) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cbln4
Synonyms: AI848962
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201963 representing NM_175631
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCTCCGCGCGCCGGCGCTGTCCGTGGTACCAGCCGTTCTGCTGATTCTAGTGCTGCCTGTCTGGG
 CACAGAATGACACGGAACCGATCGTCTGGAGGGCAAGTGTCTGGTGGTGTGCGACTCGAACCCAGCTAC
 AGACTCCAAGGGATCATCATCTTCCCCTCTGGGATATCGGTCCGGCAGCAAACCTCAAGGTGGCTTTT
 TCGGCGGTTCCGAGCACCAACCAGAGCCATCTGAGATGAGCAACAAGACTCGCATCTTACTTTGATC
 AGATCCTGGTTAACGTGGTAATTTTTTTCACATTGGAATCTGTCTTTGTGGCACCAGGAAAGGAATCTA
 TAGTTTCAGTTTTACGTAATTAAGTCTACCAGAGCCAAACCATCCAGTTAACTTGATGTAAATGGA
 AAACAGTCATCTCTGCATTTGCTGGTGATAAAGATGTGACCCGTGAAGCCGCCACTAATGGAGTGTCC
 TGTACCTGGACAAAGAAGATAAGGTCTACCTAAAACCTGGAGAAAGGTAACCTGCTCGGTGGCTGGCAGTA
 TTCCACGTTTTCTGGCTTCTGGTGTTCCTCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201963 representing NM_175631
 Red=Cloning site Green=Tags(s)

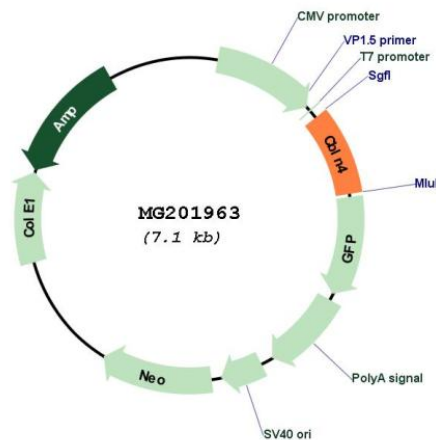
MGSARRALSVVPAVLLILVLPVWAQNDTEPIVLEKCLVVCDSNPATDSKSSSSPLGISVRAANSKVAF
 SAVRSTNHEPSEMSNKTRIIYFDQILVNVGNFFTLESVFVAPRKGISFSFHVIKVVYQSQTIQVNLMLNG
 KPVISAFAGDKDVTREATNGVLLYLDKEDKVYLKLEKGNLLGGWQYSTFSGFLVFPL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_175631

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:

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_175631.3](#), [NP_783439.1](#)

RefSeq Size: 2802 bp

RefSeq ORF: 597 bp

Locus ID: 228942

UniProt ID: [Q8BME9](#)

Cytogenetics: 2 H3

Gene Summary: May be involved in synaptic functions in the CNS. May play a role in CBLN3 export from the endoplasmic reticulum and secretion.[UniProtKB/Swiss-Prot Function]