

## Product datasheet for **MG215667**

### Cltb (NM\_028870) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cltb (NM_028870) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cltb
Synonyms:	2310046E19Rik; lcb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215667 representing NM_028870 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGAGGACTTCGGCTTCTTCTCATCGTCGGAGAGCGGGGCCCGGAGGCCCGCAGGAGGCCAG  
CGGCCGCTTCTGGCCAGCAGAAAGCGAGATTGCTGGCATCGAGAATGACCCGGTTTCGGGGCACC  
TGCCGCCAGCCAGGTGGCTCTGCGCAGCCGGGACTCGCGAGCGGGGCTGGTTCAGAGGACATGAGTACT  
ACAGTCAATGGAGATGTGTTTCAGGAGGCTAACGGCCTGCCGATGGCTACGCTGCGATTGCCAGGCGG  
ACAGGTTGACTCAGGAGCCGAGAGCATCCGGAAGTGGAGAGAGGAGCAGAAGAAAAGGCTGCAGGAGTT  
AGACGCTGCCTCGAAGGTGACCGAACAGGAGTGGCGGGAGAAGGCCAAGAAAGACCTGGAGGAGTGGAA  
CAGCGCCAAAGTGAACAGGTTGAGAAGAACAAGATCAACAACAGGGCATCGGAAGAGGCTTTTGTGAAAG  
AATCCAAGGAGGAGACCCCGGGCACAGAGTGGGAGAAGGTAGCCAGCTGTGTGACTTCAATCCCAAGAG  
CAGCAAGCAGTGTAAAGATGTGTCCCGCTGCGCTCGGTGCTCATGTCCCTGAAGCAAACACCACTGTCC  
CGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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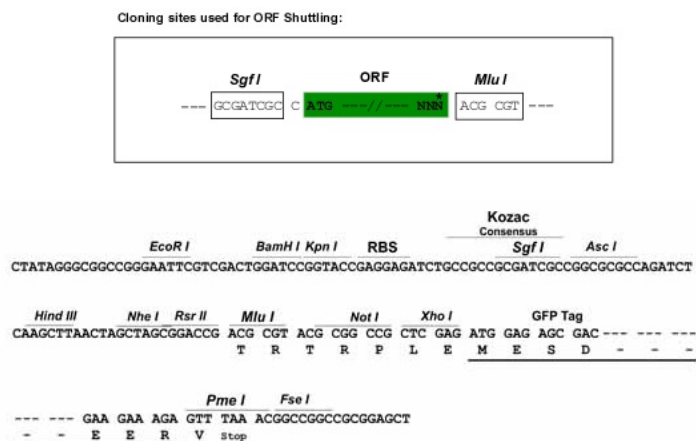
**Protein Sequence:** >MG215667 representing NM\_028870  
Red=Cloning site Green=Tags(s)

MAEDFGFFSSSESGAPEAAEEDPAAAFLAQESEIAGIENDPGFGAPAASQVASAQPGLASGAGSEDMST  
 TVNGDVFQEANGPADGYAAIAQADRLTQEPESIRKWREEQKKRLQELDAASKVTEQEWREKAKKDLEEWN  
 QRQSEQVEKNKINNRASEEFVKESKEETPGTEWEKVAQLCDFNPKSSKQCKDVSRLRSVLSLKQTPLS  
 R

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_028870

**ORF Size:** 633 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\\_028870.4](#)

**RefSeq Size:** 1576 bp

**RefSeq ORF:** 636 bp

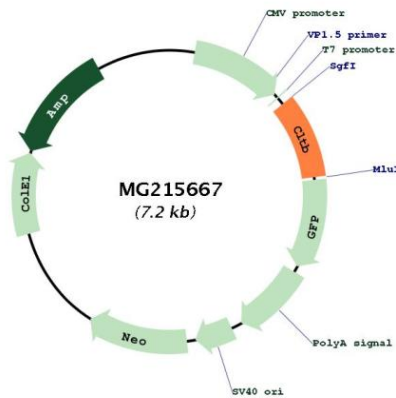
**Locus ID:** 74325

**UniProt ID:** [Q6IRU5](#)

**Cytogenetics:** 13 B1

**Gene Summary:** Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG215667