

Product datasheet for **MG202747**

Cltb (BC070404) Mouse Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Cltb (BC070404) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Cltb |
| Synonyms: | 2310046E19Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG202747 representing BC070404 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGGACTTCGGCTTCTTCTCATCGTCGGAGAGCGGGCCCCGGAGGCCGCCGAGGAGGCCAG
CGGCCGCTTCTGGCCAGCAGAAAGCGAGATTGCTGGCATCGAGAATGACCCGGTTTCGGGGCACC
TGCCGCCAGCCAGGTGGCTCTGCGCAGCCGGGACTCGCGAGCGGGGCTGGTTCAGAGGACATGAGTACT
ACAGTCAATGGAGATGTGTTTCAGGAGGCTAACGGCCTGCCGATGGCTACGCTGCGATTGCCAGGCGG
ACAGGTTGACTCAGGAGCCCAGAGCATCCGGAAGTGGAGAGAGGAGCAGAAGAAAAGGCTGCAGGAGTT
AGACGCTGCCTCGAAGGTGACCGAACAGGAGTGGCGGGAGAAGGCCAAGAAAGACCTGGAGGAGTGGAA
CAGCGCCAAAGTGAACAGGTTGAGAAGAACAAGATCAACAACAGGATCGCTGACAAAGCGTTCTACCAGC
AGCCAGATGCTGATACCATTTGGCTATGTGGCATCGGAAGAGGCTTTTGTGAAAGAATCCAAGGAGGAGAC
CCCGGGCACAGAGTGGGAGAAGGTAGCCAGCTGTGTGACTTCAATCCCAAGAGCAGCAAGCAGTGTAAA
GATGTGTCCCGCTGCGCTCGGTGCTCATGTCCCTGAAGCAAACACCACTGTCCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202747 representing BC070404
Red=Cloning site Green=Tags(s)

MAEDFGFFSSSESGAPEAAEEDPAAAFLAQESEIAGIENDPGFGAPAASQVASAQPGLASGAGSEDMST
 TVNGDVFQEANGPADGYAAIAQADRLTQEPESIRKWREEQKKRLQELDAASKVTEQEWREKAKKDLEEWN
 QRQSEQVEKNKINNRIADKAFYQQPDADTIGYVASEEAFVKESKEETPGTEWEKVAQLCDFNPKSSKQCK
 DVSRLRSVLMMLKQTPLSR

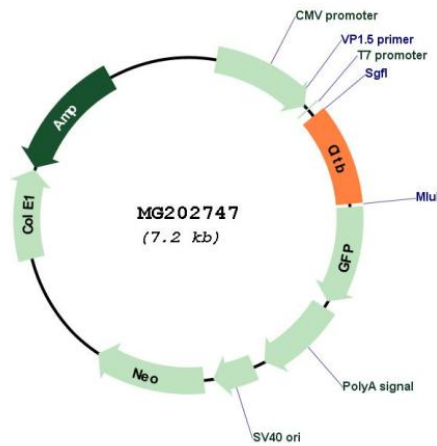
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC070404

ORF Size: 689 bp

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|-------------------------------|---|
| 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: | BC070404 , AAH70404 |
| RefSeq Size: | 1009 bp |
| RefSeq ORF: | 689 bp |
| Locus ID: | 74325 |
| Cytogenetics: | 13 B1 |
| Gene Summary: | Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. [UniProtKB/Swiss-Prot Function] |