

Product datasheet for MR215667

Cltb (NM_028870) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cltb (NM_028870) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cltb
Synonyms: 2310046E19Rik; lcb
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215667 representing NM_028870
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGGACTTCGGCTTCTTCTCATCGTGGAGAGCGGGGCCCGGAGGCCCGCAGGAGGCCAG
CGGCCGCCTTCTGGCCAGCAGGAAAGCGAGATTGCTGGCATCGAGAATGACCCGGTTTCGGGGCACC
TGCCGCCAGCCAGGTGGCTCTGCGCAGCCGGGACTCGCGAGCGGGCTGGTTCAGAGGACATGAGTACT
ACAGTCAATGGAGATGTGTTTCAGGAGGCTAACGGCCTGCCGATGGCTACGCTGCGATTGCCAGGCGG
ACAGGTTGACTCAGGAGCCGAGAGCATCCGGAAGTGGAGAGAGGAGCAGAAGAAAAGGCTGCAGGAGTT
AGACGCTGCCTCGAAGGTGACCGAACAGGAGTGGCGGGAGAAGGCCAAGAAAGACCTGGAGGAGTGGAA
CAGCGCCAAAGTGAACAGGTTGAGAAGAACAAGATCAACAACAGGGCATCGGAAGAGGCTTTTGTGAAAG
AATCCAAGGAGGAGACCCCGGGCACAGAGTGGGAGAAGGTAGCCAGCTGTGTGACTTCAATCCCAAGAG
CAGCAAGCAGTGTAAAGATGTGTCCCGCTGCGCTCGGTGCTCATGTCCCTGAAGCAAACACCACTGTCC
CGC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215667 representing NM_028870
Red=Cloning site Green=Tags(s)

MAEDFGFFSSSESGAPEAAEEDPAAAFLAQESEIAGIENDPGFGAPAASQVASAQPGLASGAGSEDMST
 TVNGDVFQEANGPADGYAAIAQADRLTQEPESIRKWREEQKKRLQELDAASKVTEQEWREKAKKDLEEWN
 QRQSEQVEKNKINNRASEEFVKESKEETPGTEWEKVAQLCDFNPKSSKQCKDVSRLRSVLSLKTQTPLS
 R

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

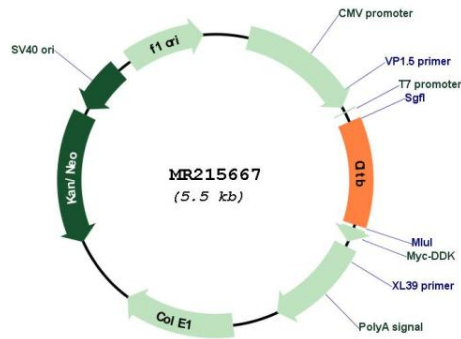
UniProt ID: [Q6IRU5](#)

Cytogenetics: 13 B1

MW: 23.6 kDa

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 MR215667