

## Product datasheet for **MR209968**

### Clpb (NM\_009191) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Clpb (NM_009191) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                 |
| Symbol:                   | Clpb                                    |
| Synonyms:                 | AL118244; Skd3                          |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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ORF Nucleotide  
Sequence:

>MR209968 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATGTTGTCCGCGGTGTTGAGGAGAACCACGCCAGCGCCTCGGCTCTTCTAGGGTTAATCAAATCTC  
CATCTCTCCAAAGCCGGGAGGTGCTTACGGCCGTGGCGTTGTCACCGGAGACCGCGGGAGCCGACGG  
GTTGAGAGCTGCCGCTTGGGTGCCCCCTGGAGCATCTTCTACCTTCGTCGCCCGGACGGGGGACGCCACC  
TGGGGGCGCCGTGGAGAACGCACCGAGATCCCATACTGACTGCCGCTCGTCGGAACGCGGTCTAGCC  
CCGAAGAAACTCCCGGACAAGACAGCTGGAATGGGGTCCCCAACAAGACGGGTCTGGGCATGTGGGC  
CTTGGCCATGGCGCTGGTGGTTCAGTGCTACAGCAAGAATCCATCCAACAAGGATGCAGCTCTAATGGAA  
GCTGCCCGGCCAATAACGTGCAGGAAGTCAGAAGGCTGTTATCAGAAGGTGCAGATGTCAATGCAAGAC  
ACAAACTTGGCTGGACAGCACTGATGGTGGCATCCATCAGCCACAATGAGAGTGTGGTGCAGGTCCTGCT  
TGCTGCTGGAGCTGACCCAAACCTTGGGGATGAGTTCAGCAGTGTCTACAAGACTGCCAATGAACAGGGA  
GTCCATTCTCTGGAAGTCTAGTCACTCGAGAGGATGACTTCAACAACCGGCTAAATCACCGTGCTAGCT  
TCAAAGGCTGCACAGCCCTGCACTATGCTGTCTGGCCGATGACTACAGCATCGTCAAGGAGCTGTGGA  
CAGAGGAGCCAACCCCTTCAGAGGAATGAGATGGGACACACACCCTGGATTATGCCCGGGAAGGGGAG  
GTTATGAAGCTTCTGAAAACCTTCTGAGACCAAGTACATGGAGAAGCAGAGGAAGCGGGAGGCAGAGGAGC  
GGCGCCGCTTCCCACTGGAGCAGCGACTGAAGGAGCACATCATTGGCCAGGAGAGTGCCATCGCCACCGT  
CGGTGCTGCGATCCGGAGGAAGGAGAACGGCTGGTACGATGAGGAGCACCTCTAGTCTTCTCTTCTTG  
GGATCGTCTGGAATAGGGAAAACCGAGCTGGCCAAGCAGACAGCAAAGTATATGCACAAAGATGCCAAAA  
AGGGCTTCATCCGGCTCGACATGTCTGAGTTCAGGAGCGACATGAGGTAGCCAAGTTTATCGGTTCTCC  
ACCAGGCTACATCGGCCATGAAGAGGGTGGCCAGCTGACCAAGAACTGAAACAGTGCCCAAATGCAGTA  
GTCCTCTTTGATGAGGTGGACAAGGCCATCCAGATGTGCTCACCATCATGCTGCAGCTGTTTGATGAGG  
GCCGCTGACAGATGGCAAAGGGAAGACCATTGACTGCAAGGATGCCATCTTCATCATGACTTCCAATGT  
AGCCAGTGATGAGATCGCCAGCATGCATTGCAGCTCAGACAGGAAGCTTTGGAGATGAGCCGAAATCGA  
ATCGCTGAAAACCTTGGGGATGTCCAGATGAGTGACAAGATCACCATCTCCAAGAACTTTAAAGAGAATG  
TGATCCGACCCATCTTAAAAGCTCACTTCCGGAGAGACGAGTTTCTGGGACGGATCAATGAGATCGTCTA  
CTTCTCCCTTTCTGCCACTCAGAGCTCATCCAGCTGGTCAACAAGGAAGTGAATCTGGGCAAGAGA  
GCCAAGCAGAGGCACAACATCACACTACTGTGGGACCGGAGGTGGCAGATGTGTTGGTTGATGGCTACA  
ACGTCCACTATGGTGCCGCTCCATTAAGCATGAGGTAGAGCGGCGTGTGGTAAACCAACTGGCGGCAGC  
CTATGAGCAGGACCTGCTACCAGGGGTTGCACCTGCGTATCACTGTGGAGGATTCCGGACAAGCACCTC  
CTCAAGAGCCCTGAGTGCCCTCACCCAGGCTGAGAAGCGTCCACCTACATTGCGACTGGAGATCATTG  
ATAAGGACAGCAAGACCCGAACTGGACATCCAGGCACCACTCCACCCTGAGAAGGTGTGCTACACCAT  
C

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209968 protein sequence  
 Red=Cloning site Green=Tags(s)

MMLSAVLRRTTPAPRLFGLIKSPSLQSRGGAYGRGVVTGDRGEPQRLRAAAWVRPGASSTFVPGRGAAT  
 WRRRGERTEIPYLTAASSERGPSPPEETLPGQDSWNGVPNKTGLGMWALAMALVVQCYSKNPSNKDAALME  
 AARANNVQEVRRLLSEGADVNRHKLGTALMVASISHNESVVQVLLAAGADPNLGDEFSSVYKTANEQG  
 VHSLEVLVTREDDFNNRLNHRASFKGCTALHYAVLADDYSIVKELLDRGANPLQRNEMGHTPLDYAREGE  
 VMKLLKTSETKYMEKQRKREAEERRRFPLEQRLKEHIIGQESAIATVGAAIRRKENGWYDEEHPLVFLFL  
 GSSGIGKTELAKQTAKYMHKDAKKGFIRLDMSEFQERHEVAKFIGSPPGYIGHEEGQLTKLKLQCPNAV  
 VLFDEVDKAHPDVLTIMLQLFDEGRLTDGKGKIDCKDAIFIMTSNVASDEIAQHALQLRQEALEMSRNR  
 IAENLGDVQMSDKITISKNFKENVIRPILKAHFRRDEFLGRINEIVYFLPFCHSELIQLVNKELNFWAKR  
 AKQRHNITLLWDREVADVLVDGYNVHYGARSIKHEVERRVYNQLAAAYEQDLLPGGCTLRITVEDSDKHL  
 LKSPPELSPQAEKRPTLRLEIIDKDSKTRKLDIQAPLHPEKVCYTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM\_009191

ORF Size: 2034 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\\_009191.4](#)

**RefSeq Size:** 4492 bp

**RefSeq ORF:** 2034 bp

**Locus ID:** 20480

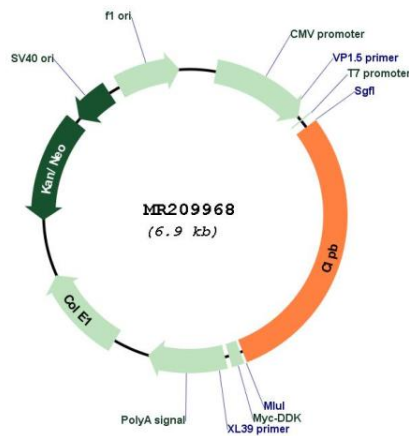
**UniProt ID:** [Q60649](#)

**Cytogenetics:** 7 E2

**MW:** 76 kDa

**Gene Summary:** May function as a regulatory ATPase and be related to secretion/protein trafficking process. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209968