

Product datasheet for **RR202284**

Clpb (NM_022947) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clpb (NM_022947) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clpb
Synonyms:	Skd3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR202284 representing NM_022947
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGTTGTCCGCGGTGTTGAGGAGAACCAGCCAGCGCCTCGGCTCTTCTAGGGTTAATCAAATCTC
 CATCTCTTCAAAGCCGGGAGGTGCTTACAACCGTAGCGTAATCACCGGAGACCGCGGGAGCCGACGG
 GCTGAGAAGTCCGCGCTGGTGCGCCCTGGAGCATCTTCTGTCTTGTCCCGGACGGGGGAGCCACC
 GGGGGGCGCCGTGGAGAACGCACCGAGATCCCATACTGACTGCCGCTCGTCTGGACGCGGTCTAGCC
 CGGAAGAAACTCCCAGGACAAGACAGCTGGAATGGGGTCCCCAACAAGGCGGGATTGGGCATGTGGGC
 CTTGGCCATGGCGCTGGTGGTTCAGTGCTACAACAAGAATCCATCTAACAAGGATGCAGCTTTGATGGAA
 GCTGCCGAGCCAATAATGTGCAGGAAGTCAGAAGGCTTATCAGAAGGTGCAGATGTCAACGCAAGGC
 ACAAACTTGGCTGGACAGCATTGATGGTGGCAGCCATCAGCCACAATGAGAGTGTGGTACAGTTCTCT
 TGCTGCTGGAGCTGACCCAAACCTTGGGGACGACTTCAGCAGTGTCTACAAGACTGCCAATGAACAGGGA
 GTCCATTCTTTGGAAGTCTAGTCACTCGAGAGGATGACTTCAACAACCGACTAAACCACCGTGCAGTT
 TCAAAGGCTGCACAGCCCTGCACTATGCTGTCTGGCCGACGACTACAGCATCGTCAAGGAACTACTGGG
 TGGAGGAGCCAACCCCTTCAGAGGAATGAGATGGGACACACACCCTGGATTATGCCCGGGAAGGGGAG
 GTTATGAAGCTTCTGAAAACCTTCTGAAACCAAGTACATGGAGAAGCAGAGGAAGCGTGAGGCAGAAGAA
 CGCGCCGCTTCCCACTGGAGCAGCGACTGGAGCAGCACATCATTGGCCAGGAGAGTGCCATTGCTACCGT
 TGGTGTGCGATCCGGAGGAAGGAGAATGGCTGGTACGATGAGGAGCACCCCTCTAGTCTTCTCTTCTTG
 GGATCATCTGGAATAGGGAAGTGAAGTGGCCAACTGAGCAAGCAGCAGCAAGTATATGCACAAAGATGCCAAA
 AGGGCTTACATCCGGCTCGACATGTCTGAGTTCAGGAGCGACATGAGGTAGCCAAGTTTATCGGTTCTCC
 GCCAGGCTACATCGGCCATGAAGAAGGTGGCCAACCTGACCAAGAACTGAAACAGTGCCCAAATGCAGTA
 GTTCTCTTTGACGAGGTGGACAAGGCCATCCAGATGTGCTCACCATCATGCTGCAGCTGTTTGATGAGG
 GCCGCTGACAGATGGCAAGGGGAAGACCATTGACTGCAAGGATGCCATCTTCATCATGACTTCCAATGT
 AGCCAGTGATGAGATCGCCAGCATGCATTGCAACTGAGACAGGAAGCTTTGGAGATGAGCCGAAATCGA
 ATAGCTGAAAACCTTGGGGATGTCCAGATTAGTGACAAGATCACCATCTCAAAGAACTTCAAAGAGAATA
 TGATCCGACCCATCCTGAAAGCTCACTCCGGAGAGACGAGTTTCTGGGAAGGATCAATGAGATCGTCTA
 CTTCTCCCTTTCTGCCACTCGGAGCTCATCCAGCTGGTCAACAAGGAAGTGAATCTGGGCAAGAGA
 GCCAAGCAGAGACACAACATCACACTACTGTGGGACCGGAGGTGGCAGACGTGTTGGTTGATGGCTACA
 ACGTCCAGTATGGTGCCGCTCCATTAAGCATGAGGTAGAGCGCCGTGTGGTAAACCAGCTGGCGGCAGC
 CTATGAGCAGGACCTGCTACCAGGGGGTGCACCCTGCGTATCACTGTGGAGGACTCAGACAAGCAGCTC
 CTCAAGAGCCCTGAGTGCCCTCGCCCCAGGCTGAAAAGCGTCCGCTTCACTGCGACTGGAGATCATTG
 ATAAGGACAGCAAGACCCACAACTGGACATCCAGGCACCACTCCACCCGAGAAGGTGTGTACACCAT
 C

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202284 representing NM_022947
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MMLSAVLRRTAPAPRFLGLIKSPSLQSRGGAYNRSVITGDRGEPQLRTAAWVRPGASSVLPGRGAAT
 GGRRGERTEIPYLTAASSGRGPSPEETLPGQDSWNGVPNKAGLGMWALAMALVVQCYNKNPSNKDAALME
 AARANNVQEVRRLLSEGADVNRHKLGTALMVAASHNESVVQVLLAAGADPNLGDDFSSVYKTANEQG
 VHSLEVLVTREDDFNNRLNHRASFKGCTALHYAVLADDYSIVKELLGGGANPLQRNEMGHTPLDYAREGE
 VMKLLKTSETKYMEKQRKREAEERRRPLEQRLEQHIIGQESAIATVGAAIRRKENGWYDEEHPLVFLFL
 GSSGIGKTELAKQTAKYMHKDAKKGFIRLDMSEFQERHEVAKFIGSPPGYIGHEEGQLTKLKLQCPNAV
 VLFDEVDKAHPDVLTIMLQLFDEGRLTDGKGKIDCKDAIFIMTSNVASDEIAQHALQLRQEALEMSRNR
 IAENLGDVQISDKITISKNFKENMIRPILKAHFRRDEFLGRINEIVYFLPFCHSELIQLVNKELNFWAKR
 AKQRHNITLLWDREVADVLVDGYNVQYGARSIKHEVERRVYNQLAAAYEQDLLPGGCTLRITVEDSDKQL
 LKSPPELSPQAEKRPTLRLEIIDKDSKTHKLDIQAPLHPEKVCYTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_022947

ORF Size: 2031 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_022947.1](#), [NP_075236.1](#)

RefSeq Size: 2138 bp

RefSeq ORF: 2034 bp

Locus ID: 65041

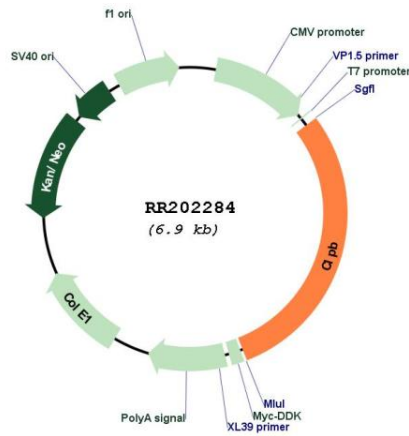
UniProt ID: [Q9WTT2](#)

Cytogenetics: 1q32

MW: 75.7 kDa

Gene Summary: mouse homolog is a putative ATPase and member of the Clp/HSP104 family [RGD, Feb 2006]

Product images:



Circular map for RR202284