

Product datasheet for **RR210613**

Ckb (NM_012529) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ckb (NM_012529) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ckb
Synonyms: Ckbb; Ckbr; CPK-B
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210613 representing NM_012529
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTTCTCCAACAGCCACAACACGCAGAAGCTGCGCTTCCCAGCCGAGGATGAATTCCTGATCTGA
GCAGCCACAACAACCATATGGCCAAGGTGCTGACCCCGAGCTGTACGCGGAGCTCCGTGCCAAGTGAC
GCCGAGCGGCTTTACGTTGGACGACGCCATCCAGACTGGCGTAGACAATCCGGGCCACCCGTACATCATG
ACAGTGGGTGCAGTGGCGGGCGACGAGGAGAGTTACGACGTATTCAAGGACCTTTTCGACCCCATCATCG
AGGACCGGCACGGCGGCTACCAGCCAGTGATGAGCACAAGACTGACCTCAACCCAGACAACCTGCAGGG
CGGCGATGACCTGGACCCCAACTACGTGCTGAGCTCGCGGGTGCACAGGCCGAAGCATCCGCGGCTTC
TGCTCCCCCTCACTGCAGCCGTGGGGAGCGCCGCGCCATCGAGAAGCTGGCAGTAGAAGCCCTGTCCA
GCCTAGATGGCGACCTGTCTGGCAGTACTATGCGCTCAAGAGCATGACCGAGGCGGAGCAGCAGAGCT
CATTGACGACCACTTCTCTTCGACAAGCCTGTGTGCGCTTCTGCTGGCTCCGGCATGGCCCGGCAG
TGGCCGATGCTCGCGCATTTGGCACAATGACAATAAGACGTTCTGGTGGATCAACGAGGAGGACC
ACCTGCGGTTATCTCCATGCAGAAAGGGGGCAACATGAAGGAAGTTTTACGCGATTCTGCACTGGCCT
CACTCAGATTGAAACTCTTTCAAGTCTAAGAACTATGAGTTCATGTGGAACCCTCACCTGGGCTACATC
CTCACGTGCCATCCAACCTGGGCACTGGGCTTCGGGCAGGCGTGACATCAAGCTGCCCCACCTGGGAA
AGCACGAGAAGTTCTCGGAGGTGCTCAAGCGACTGCGGCTTCAGAAGCGAGGCACAGGTGGTGTGGACAC
CGCTGCTGGGTGGAGTTTTGATGTCTCCAACGCTGACCGCTGGGCTTCTCGGAGGTGGAGCTGGTG
CAGATGGTGGTGGACGGAGTGAAGCTACTCATTGAGATGGAGCAGCGGCTTGAGCAGGCTCAGCCATTG
ACGACCTCATGCCTGCCAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210613 representing NM_012529
 Red=Cloning site Green=Tags(s)

MPFSNSHNTQKLRFPAAEDEFDPDLSHNNHMAKVLTPELYAELRAKCTPSGFTLDDAIQTGVDNPGHPYIM
 TVGAVAGDEESYDVFKDLFDPIIEDRHGGYQPSDEHKTDLNPDLQGGDDLDPNYVLSRVRTGRSIRGF
 CLPPHC SRGERRAIEKLAVEALSSLDGDL SG RYALKSMTAEQQQLIDDHFLFDKPVSPLLLASGMARD
 WPDARGIWHNDNK TFLVWINEEDHLRVISMQKGGNMKEVFTRFCTGLTQIETLFKSKNYEFMWNPHLGYI
 LTCPSNLGTGLRAGVHIKLPHLGKHEKFSEVLKRLRLQKRGTGGVDTAAVGGVFDVSNADRLGFSEVELY
 QMVVDGVKLLIEMEQRLEQGQPIDDLMPAQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

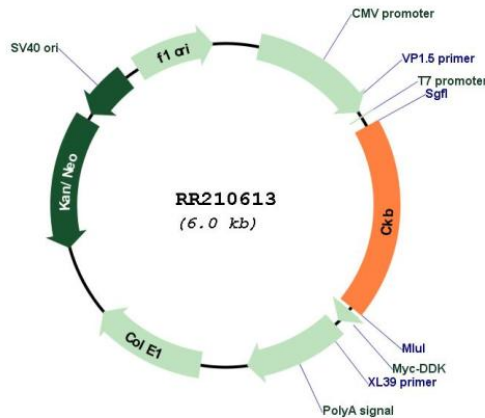
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012529

ORF Size:	1143 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:	<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:	NM_012529.3 , NP_036661.3
RefSeq Size:	1463 bp
RefSeq ORF:	1146 bp
Locus ID:	24264
UniProt ID:	P07335
Cytogenetics:	6q32
MW:	42.7 kDa
Gene Summary:	brain specific isozyme that catalyzed the interconversion of ATP and creatine to ADP and phosphocreatine; may play a role in ATP generation during cerebellar development [RGD, Feb 2006]