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Product datasheet for MC203840

Ckb (NM_021273) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ckb (NM_021273) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ckb
Synonyms:	B-CK; Bck; Ck-3; Ck3; Ckbb; CPK-B
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC015271 GCACAGGCATCCATCGCCCCTGCTTCGTCCGGCATCCCGCCCGCTGCCGCCGCCATGCCCTTCTCCAACA GCCATAATACGCAGAAGCTGCGCTTCCCGGCCGAGGATGAGTTCCCTGATCTGAGCAGCCACAACAACCA TATGGCCAAGGTGCTGACCCCGGAGCTGTACGCCGAGCTCCGTGCCAAGTGCACGCCGAGCGGCTTTACT TTGGACGACGCCATTCAGACTGGCGTAGACAATCCGGGCCACCCGTACATCATGACTGTGGGTGCAGTGG CGGGCGACGAGGAGAGTTACGACGTATTCAAGGACCTCTTCGACCCCATTATTGAGGAGCGGCACGGCGG CTACCAGCCCAGTGATGAGCACAAGACCGACCTCAACCCAGACAACCTGCAGGGTGGCGATGACCTGGAC CCCAACTACGTGCTGAGCTCGCGAGTGCGCACAGGCCGCAGCATCCGCGGCTTCTGTCTCCCCCCGCACT GCAGCCGCGGGGAGCGCCGCGCCATCGAGAAGCTGGCAGTAGAAGCTCTGTCCAGCCTAGATGGCGACCT GTCTGGCAGGTACTACGCGCTCAAGAGCATGACTGAGGCGGAGCAGCAGCAGCTCATTGACGACCACTTC CTCTTCGATAAGCCTGTGTCGCCTCTGCTGCTGGCCTCCGGCATGGCCCGCGACTGGCCGGATGCTCGTG GCATATGGCACAATGACAATAAGACTTTCCTGGTGTGGATTAACGAGGAGGACCACCTGCGAGTCATCTC CATGCAGAAGGGGGGCAACATGAAGGAAGTGTTCACCCGATTCTGCACCGGCCTCACTCAGATCGAAACT CTCTTCAAGTCCAAGAACTATGAGTTCATGTGGAATCCTCACCTGGGCTACATCCTCACATGCCCATCCA ACCTGGGCACCGGACTGCGGGCAGGTGTGCACATCAAGCTGCCCCACCTGGGGAAGCACGAGAAGTTCTC GGAGGTGCTCAAGCGGCTGCGGCTTCAGAAGCGAGGCACAGGTGGCGTGGACACCGCTGCTGTCGGTGGG GTGTTTGATGTCTCCAACGCTGACCGCCTGGGCTTCTCGGAGGTGGAACTGGTGCAGATGGTGGTGGACG GAGTGAAACTACTCATTGAGATGGAGCAACGGCTCGAGCAGGGTCAGGCAATCGATGACCTCATGCCGGC CCAGAAGTGAAGCCTGGCCCTCGCCACCATCAGGCTGCCGCTTCCTAACTTATTACCCGGGCAGTGCCCG CCATGCATCCTTGATGTTTGCCGCCTGGCGGCTGAGCCCTTAGCCTCGCTGTAGAGACTTCTGTCGCCCT GGGTAGAGTTTATTTTTTTGATGGCTAAGCTGTTGCTGACACTGAAAATAAACTAGGGTTTGGCCTGCCC TAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_021273

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Insert Size:	1146 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC015271, AAH15271
RefSeq Size:	1498 bp
RefSeq ORF:	1146 bp
Locus ID:	12709
UniProt ID:	Q04447
Cytogenetics:	12 61.09 cM
Gene Summary:	Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.[UniProtKB/Swiss-Prot Function]