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Product datasheet for MC208271

Cdk6 (NM_009873) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk6 (NM_009873) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdk6
Synonyms:	AI504062; Crk; Crk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208271 representing NM_009873 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGAAGGACAGCCTGAGTCGCGCCGATCAGCAGTATGAGTGCGTGGCGGAGATCGGCGAAGGCGCCT ATGGGAAGGTGTTCAAGGCCCGCGACCTGAAGAACGGCGGCCGCTTCGTGGCTCTGAAGCGCGTGCGAGT GCAGACCAGTGAGGAGGGCATGCCGCTCTCCACCATCCGCGAGGTGGCGGTGCTGAGGCACCTGGAGACC TTCGAGCACCCCAACGTGGTCAGGTTGTTTGATGTGTGCACAGTGTCACGGACGGACAGAGAAACCAAGC TTACACTAGTGTTTGAGCATGTTGATCAAGACTTGACCACTTACTTGGATAAAGTTCCAGAGCCCGGCGT ACCCACAGAAACCATAAAGGATATGATGTTTCAGCTTCTCCGAGGTCTGGACTTTCTTCATTCTCACAGA GTAGTGCATCGTGATCTGAAACCGCAGAACATTCTGGTGACCAGCAGTGGACAGATAAAGCTGGCTGACT TTGGCCTTGCCCGCATCTATAGTTTTCAGATGGCCCTTACCTCGGTGGTCGTCACGCTGTGGTACCGAGC CCCAGAAGTCCTGCTCCAGTCCAGCTATGCCACCCCTGTGGACCTCTGGAGTGTCGGTTGCATCTTTGCA GAAATGTTTCGCAGAAAGCCTCTTTTTCGTGGAAGTTCAGACGTGGATCAACTAGGAAAAATCTTGGACA TCATTGGACTCCCAGGAGAGGAAGACTGGCCTAGGGACGTGGCCCTTCCCCGGCAGGCTTTTCATTCCAA ATCTGCTCAACCCATCGAGAAGTTTGTGACAGATATTGACGAACTAGGCAAAGACCTACTTCTGAAATGC CTGACGTTTAATCCAGCTAAAAGGATATCCGCCTACGGCGCCCTGAATCACCCGTACTTCCAAGATCTGG AGAGATACAAGGACAACCTGAACTCTCACCTGCCATCCAACCAGAGCACCTCGGAGCTGAACACAGCCTG A ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI

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ACCN:	NM_009873
Insert Size:	981 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. 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
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_009873.3, NP_034003.1
RefSeq Size:	2470 bp
RefSeq ORF:	981 bp
Locus ID:	12571
UniProt ID:	Q64261
Cytogenetics:	5 2.04 cM
Gene Summary:	This gene encodes a member of the cyclin dependent kinase family of proteins that play important roles in the progression and regulation of the cell cycle. The encoded protein binds to a D-type cyclin to form an active kinase complex to regulate progression through the G1 phase of the cell cycle. Mice lacking the encoded protein exhibit thymic and splenic hypoplasia, and hematopoietic defects such as reduced number of megakaryocytes and erythrocytes. A pseudogene of this gene has been defined on chromosome 4. [provided by RefSeq, Aug 2015]