

Product datasheet for **SC328392**

CCRK (CDK20) (NM_001170640) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCRK (CDK20) (NM_001170640) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCRK
Synonyms:	CCRK; CDCH; P42; PNQALRE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001170640, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGACCAGTACTGCATCCTGGGCCGCATCGGGGAGGGCGCCACGGCATCGTCTTCAAG GCCAAGCACGTGGAGACTGGCGAGATAGTTGCCCTCAAGAAGGTGGCCCTAAGGCGGTTG GAGGACGGCTTCCCTAACCAGGCCCTGCGGGAGATTAAGGCTCTGCAGGAGATGGAGGAC AATCAGTATGTGGTACAACCTGAAGGCTGTGTTCCACACGGTGGAGGCTTTGTGTGGCC TTTGAGTTCATGCTGTGCGATCTGGCCGAGGTGGTGCATGATGCCAGAGGCCACTAGCC CAGGCACAGGTCAAGAGCTACCTGCAGATGCTGCTCAAGGGTGTGCGCTTCTGCCATGCC AACAACTTGTACATCGGGACCTGAAACCTGCCAACCTGCTCATCAGCGCCTCAGGCCAG CTCAAGATAGCGGACTTTGGCCTGGCTCGAGTCTTTTCCCAGACGGCAGCCGCCTCTAC ACACACCAGGTGGCCACCAGGAGCTCACTGAGCTGCCGACTACAACAAGATCTCCTTTA AGGAGCAGGTGCCATGCCCCTGGAGGAGGTGCTGCCTGACGTCTCTCCCAGGCATTGG ATCTGCTGGGTCAATTCTTCTACCTCCTCACCAGCGCATCGCAGCTTCCAAGGCTC TCCTCCATCAGTACTTCTTACAGCTCCCCTGCCTGCCATCCATCTGAGCTGCCGATTC CTCAGCGTCTAG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001170640
OTI Disclaimer:	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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001170640.1</u> , <u>NP_001164111.1</u>
RefSeq Size:	2219 bp
RefSeq ORF:	732 bp
Locus ID:	23552
UniProt ID:	<u>Q8IZL9</u>
Cytogenetics:	9q22.1
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>The protein encoded by this gene contains a kinase domain most closely related to the cyclin-dependent protein kinases. The encoded kinase may activate cyclin-dependent kinase 2 and is involved in cell growth. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Dec 2009]</p> <p>Transcript Variant: This variant (5) uses an alternate in-frame splice site in the 5' coding region, and lacks an exon in the 3' coding region, which results in a frameshift compared to variant 1. This results in a shorter protein (isoform 5, also known as cardiac CCRK), compared to isoform 1.</p>