

Product datasheet for **SC124172**

CCRK (CDK20) (NM_012119) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCRK (CDK20) (NM_012119) 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:	>NCBI ORF sequence for NM_012119, the custom clone sequence may differ by one or more nucleotides

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ATGGACCAGTACTGCATCCTGGGCCGCATCGGGGAGGGCGCCACGGCATCGTCTTCAAGGCCAAGCACG
TGGAGACTGGCGAGATAGTTGCCCTCAAGAAGGTGGCCCTAAGGCGGTTGGAGGACGGCTTCCCTAACCA
GGCCCTGCGGGAGATTAAGGCTCTGCAGGAGATGGAGGACAATCAGTATGTGGTACAACCTGAAGGCTGTG
TTCCACACGGTGGAGGCTTTGTGCTGGCCTTTGAGTTCATGCTGTGGATCTGGCCGAGGTGGTGCGCC
ATGCCAGAGGCCACTAGCCAGGCACAGGTCAAGAGCTACCTGCAGATGCTGCTCAAGGGTGTGCGCCTT
CTGCCATGCCAACACATTGTACATCGGGACCTGAAACCTGCCAACCTGCTCATCAGCGCCTCAGGCCAG
CTCAAGATAGCGGACTTTGGCCTGGCTCGAGTCTTTTCCCAGACGGCAGCCGCCTTACACACACCAGG
TGGCCACCAGGTCTGTGGGCTGCATCATGGGGAGCTGTTGAATGGGTCCCCCTTTTCCGGGCAAGAA
CGATATTGAACAGCTTTGCTATGTGCTTTCGCATCTTGGGCACCCCAAACCTCAAGTCTGGCCGGAGCTC
ACTGAGCTGCCGGACTACAACAAGATCTCCTTTAAGGAGCAGGTGCCCATGCCCTGGAGGAGGTGCTGC
CTGACGCTCTCCCCAGGCATTGGATCTGCTGGGTCAATTCTTCTTACCCTCCTACCAGCGCATCGC
AGCTTCCAAGGCTCTCCTCCATCAGTACTTCTTACAGCTCCCTGCCTGCCATCCATCTGAGTGGCCG
ATTCTCAGCGTCTAGGGGGACCTGCCCCAAGGCCCATCCAGGGCCCCCCCACATCCATGACTTCCACG
TGGACCGGCTCTTGGAGAGTCGCTGTTGAACCCAGAGCTGATTGGCCCTTTCATCTGGAGGGGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012119 unedited
 TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTTGCTGCTGCGTGAC
 AGCGGAGGGCTAGGAAAAGGCGCAGTGGGGCCCGAGCTGTACCCTGACTCGACGCAG
 CTTCCGTTCTCCTGGTGACGTGGCTACAGGAACCGCCCAAGTGGTCAGCTGCCGCGTG
 TTGCTAGGCAACAGCGTGCAGCTCAGATCAGCGTGGGTGGAGGAGAAGTGGAGTTTG
 AAGTTCAGGGGCACAGGGGCACAGGCCACGACTGCAGCGGGATGGACCAGTACTGCATC
 CTGNCCGCATCGGGGAGGGCGCCACGGCATCGTCTTCAAGGCCAAGCACGTGGAGACT
 GGCGAGATAGTTGCCCTCAAGAAGGTGGCCCTAAGGCGGTTGGAAGACGGCTTCCCTAAC
 CAGGCCCTGCGGGAGATTAAGGCTCTGCAGGAGATGGAGGACAATCAGTATGTGGTACAA
 CTGAAGGCTGTGTTCCACACGGTGGAGGCTTTGTGCTGGCCTTTGAGTTCATGTGTGCG
 GATCTGGCCGAGGTGGTGCGCCATGCCANGAGCCACTAGCCCAGGCACAGGTCAAGAGC
 TACCTGCAGATGTGCTCAAGGGTGTGCCTTCTGCCATGCCANNACATGTACATCGG
 GACCCTGAACCTGCCAACCTGCTCATCAGCGCCCTCAGCCAGCTCAAGATAGCGGGACTT
 GGCCTGGTTCGAGTCTTTTCCCCAGACGGCAGCCGTCTCTACACACACCAGGTGCCACCA
 GGAGCTACTGAGCTGCCGGACTACAACAGGATCTCCTTTAAGGANANGTGCCCATGCC
 CCCTGGAGGAGGTGCTGCCTGACGTCTCTCCCCAGCCATTGGATCTGCTGGGTCAATTCC
 TCTTACCTCTAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012119 unedited
 CCGCAATCTAGAGTCGAGNNCTTCTTTTTTTTTTTTTTTTTTTTTTTTTTAAACCTGAACC
 ACAATCATACTCTTTATTATTATACAACTTTTAAATATTGGTATCTGATACCATAAGTC
 CTTCCATCATTCTCTCTGTCATCTGGTCCACTTCTCCATGTATCTTTTATAATCA
 CCTTATCAAATTATAATAAGGAAAAAGCACTAGCTGGGATTATATTGGGATTTATTAAT
 TTATAAATTAATTCAGGAACGCTGTTTCCTTAAATACACAGCTGCTTCTGGCTCACGC
 TCATCCTGAGGGAGTAAATGTTGGTAAACCACCCTCATGTGCAAAGGGTCTCCTGCTGGA
 TCCCAACTGGAGCCATCCCTGGGCCTAAACTTCTGTCTCCCTCACTTCTAAATGAGTGC
 TCAGTGATGTGAAGCACACAGGAGTCCCTCAGGGCAAAAGTGGCTATGCCTGGTGTACC
 CTCCCCATGACCCCAAAAACGAGAGCCATGAGACAATGCCACCTTAGCCATTTCCCTTGA
 GAGAAATGAAGGAGGAACAGACCTAAGGCAGAGCCACCTGAGGTTTTTGAATCTATATC
 TCACACTACTGAAGTGTAAATGGCTCTGAGATAAAACCAACCAAAATCTTCTTCCAC
 TTGAGTTTCCAACATAAGGACACCTTACTCTCTGCACTTCTTCTTGACCAAGAGGCAGCA
 CTTGCGGGAAGCAGCCAAAGCAAGCATCGTCTTCTGCATATGCAAGCCTTGACTGCCAAC
 AAACCCACTGTCCTGATGGTTACGTGAGTCCACACAAAAGGGAAGCTCCCAACACAGC
 CAGAATCTCCTCGCTCACAGAAGTTCCCAACCCTGGGCTGAAACAGACCCTGCCAAAAC
 CACCCTACAGCCTAGGGGACGGGGGGGGGCCACTGGCCAGGGAGCCTGAAGTAAACCA
 CCCGTGCAAGAAATGGCCTGTGT

Restriction Sites:

NotI-NotI

ACCN:

NM_012119

Insert Size:

2290 bp

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).

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_012119.2</u> , <u>NP_036251.2</u>
RefSeq Size:	2250 bp
RefSeq ORF:	978 bp
Locus ID:	23552
UniProt ID:	<u>Q8IZL9</u>
Cytogenetics:	9q22.1
Domains:	pkinase, TyrKc, S_TKc
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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>