

Product datasheet for SC311055

CCRK (CDK20) (NM_001039803) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCRK (CDK20) (NM_001039803) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDK20
Synonyms:	CCRK; CDCH; P42; PNQALRE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311055 representing NM_001039803. Blue=Insert sequence Red=Cloning site Green=Tag(s)

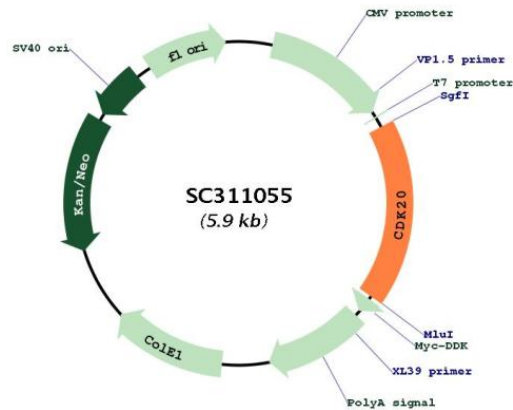
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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GTGGAGACTGGCGAGATAGTTGCCCTCAAGAAGGTGGCCCTAAGGCGGTTGGAGGACGGCTTCCCTAAC
CAGGCCCTGCGGGAGATTAAGGCTCTGCAGGAGATGGAGGACAATCAGTATGTGGTACAACCTGAAGGCT
GTGTTCCACACGGTGGAGGCTTTGTGCTGGCCTTTGAGTTCATGCTGTCGGATCTGGCCGAGGTGGTG
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CACCAGGTGGCCACCAGGTGGTACCGAGCCCCGAGCTCCTGTATGGTGGCCGCCAGTATGACCAGGGC
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AACGATATTGAACAGCTTTGCTATGTGCTTCGCATCTTGGGCACCCCAACCTCAAGTCTGGCCGGAG
CTACTGAGCTGCCGACTACAACAAGATCTCCTTAAAGGAGCAGGTGCCATGCCCTGGAGGAGGTG
CTGCCTGACGTCTCTCCCGGCAATGGATCTGCTGGGTCAATTCCTTCTCTACCCTCTCACCAGCGC
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CTGCCGATTCCTCAGCGTCTAGGGGACCTGCCCAAGGCCATCCAGGGCCCCCACATCCATGAC
TTCCACGTGGACCGCCCTTTGAGGAGTGCCTGTTGAACCCAGAGCTGATTCGGCCCTTATCCTGGAG
GGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001039803

Insert Size: 1041 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).

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:

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_001039803.2](#)

RefSeq Size: 2406 bp

RefSeq ORF: 1041 bp

Locus ID: 23552

UniProt ID: [Q8IZL9](#)

Cytogenetics: 9q22.1

Protein Families: Druggable Genome, Protein Kinase

MW: 38.7 kDa

Gene Summary: 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]
Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region and contains an alternate, in-frame exon in the middle portion of the coding region, compared to variant 1. This results in a longer protein (isoform 3), compared to isoform 1.