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Product datasheet for RC200491

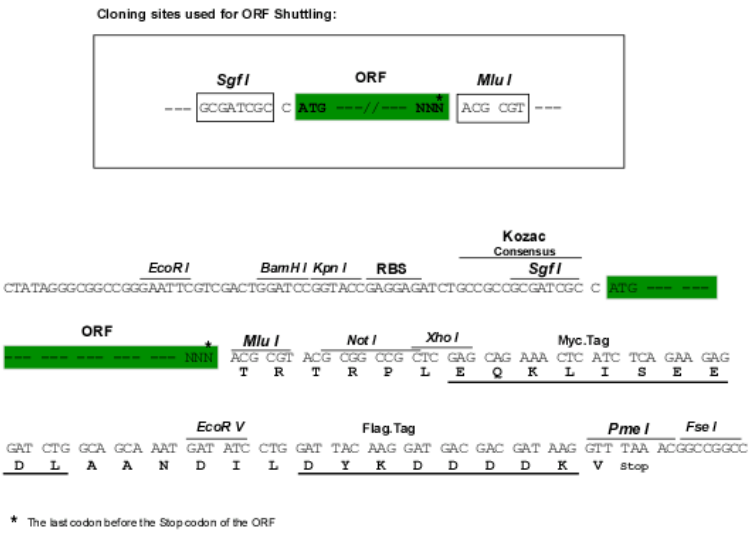
CKS2 (NM_001827) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CKS2 (NM_001827) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CKS2
Synonyms:	CKSHS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200491 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCCACAAGCAGATCTACTACTCGGACAAGTACTTCGACGAACACTACGAGTACCGGCATGTTATGT TACCCAGAGAACTTTCCAAACAAGTACCTAAAACTCATCTGATGTCTGAAGAGGAGTGGAGGAGACTTGG TGTCCAACAGAGTCTAGGCTGGGTTCATTACATGATTCATGAGCCAGAACCACATATTCTTCTCTTTAGA CGACCTCTTCCAAAAGATCAACAAAAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC200491 protein sequence Red=Cloning site Green=Tags(s) MAHKQIYYSDKYFDEHYEYRHVMLPRELSKQVPKTHLMSEEEWRRLGVQQSLGWVHYMIHEPEPHILLFR RPLPKDQQK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6408_h09.zip
Restriction Sites:	SgfI-MluI

View online »

Cloning Scheme:

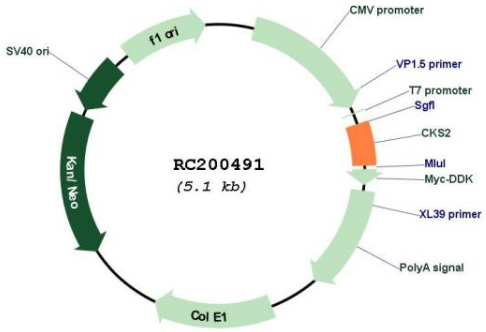


ACCN:	NM_001827
ORF Size:	237 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001827.3
RefSeq Size:	627 bp
RefSeq ORF:	240 bp
Locus ID:	1164

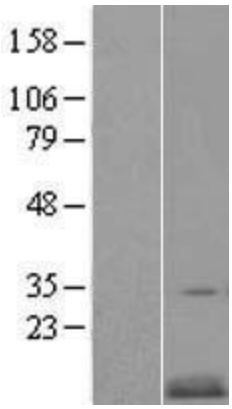
UniProt ID:	P33552
Cytogenetics:	9q22.2
Domains:	CKS
Protein Families:	Druggable Genome, Stem cell - Pluripotency
MW:	9.9 kDa

Gene Summary: CKS2 protein binds to the catalytic subunit of the cyclin dependent kinases and is essential for their biological function. The CKS2 mRNA is found to be expressed in different patterns through the cell cycle in HeLa cells, which reflects specialized role for the encoded protein. [provided by RefSeq, Jul 2008]

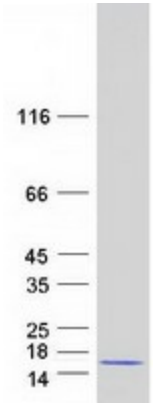
Product images:



Circular map for RC200491



Western blot validation of overexpression lysate (Cat# [LY419728]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200491 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CKS2 protein (Cat# [TP300491]). The protein was produced from HEK293T cells transfected with CKS2 cDNA clone (Cat# RC200491) using MegaTran 2.0 (Cat# [TT210002]).