

## Product datasheet for **SC127099**

### CKS2 (NM\_001827) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CKS2 (NM_001827) Human Untagged Clone
Tag:	Tag Free
Symbol:	CKS2
Synonyms:	CKSHS2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127099 sequence for NM_001827 edited (data generated by NextGen Sequencing)

```
ATGGCCCAAGCAGATCTACTACTCGGACAAGTACTTCGACGAACACTACGAGTACCGG
CATGTTATGTTACCCAGAGAAGTTTCCAACAAGTACCTAAAACATCTGATGTCTGAA
GAGGAGTGGAGGAGACTTGGTGTCCAACAGAGTCTAGGCTGGGTTTATTACATGATTCAT
GAGCCAGAACCACATATTCTTCTTTAGACGACCTCTTCCAAAAGATCAACAAAATGA
```

Clone variation with respect to NM\_001827.1

#### 5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_001827 unedited
NTTATTTCCCGCCCGTTGNCGCAAAGGCGGTAGGCGGTACGGTGGGAGTCTATATA
AGCAGAGCTCATTAGGTGACACTATAGAATAACAAGTACTTGTCTTTTTGCAGCGGCC
GCGAATTCGGCACGAGGCGAGTTGTTGCCTGGGCTGGACGTGGTTTTGTCTGCTGCGCCC
GCTCTTCGCGCTCTCGTTTCATTTTCTGCAGCGCGCCAGCAGGATGGCCCAAGCAGAT
CTACTACTCGGACAAGTACTTCGACGAACACTACGAGTACCGGCATGTTATGTTACCCAG
AGAAGTTTCCAACAAGTACCTAAAACATCTGATGTCTGAAGAGGAGTGGAGGAGACT
TGGTGTCCAACAGAGTCTAGGCTGGGTTTATTACATGATTCATGAGCCAGAACCACATAT
TCTTCTTTTAGACGACCTCTTCCAAAAGATCAACAAAATGAAGTTTATCTGGGGATCG
TCAAATCTTTTTCAAATTAATGTATATGTGTATAAAGGTAGTATTCAGTGAATACTTG
AGAAATGTACAAATCCTTCATCCATACCTGTGCATGAGCTGTATTCTTCAGCAACAGA
GCTCAGTTAAATGCAACTGCAAGTAGGTTACTGTAAGATGTTAAAGATAAAAGTTCTTCC
AGTCAGTTNNTCTCTTAAGTGCCTGTTTGTGTTTACTGAAACAGTTTACTTTTGTCAA
TAAAGTTGATGTTGCATTTAAAAAAGTAACTCGACTCTAGATTGCGGNCGC
GGTCATAGCTGGNTCCCTGACAGATCCCGGGTGGCATCCCTGTGACCCNCCAGTGCC
TCTCTGGCCCTGNNNAGTGCCACTNCAGTGCCACCAGCCTTGTCTATAAAAATAAAGT
GCATCATTTTGTGACTAGA
```

Restriction Sites: NotI-NotI



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<b>ACCN:</b>	NM_001827
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001827.1</a></u> , <u><a href="#">NP_001818.1</a></u>
<b>RefSeq Size:</b>	627 bp
<b>RefSeq ORF:</b>	240 bp
<b>Locus ID:</b>	1164
<b>UniProt ID:</b>	<u><a href="#">P33552</a></u>
<b>Cytogenetics:</b>	9q22.2
<b>Domains:</b>	CKS
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency
<b>Gene Summary:</b>	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]