

Product datasheet for **SC126810**

CK1 epsilon (CSNK1E) (NM_001894) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CK1 epsilon (CSNK1E) (NM_001894) Human Untagged Clone
Tag:	Tag Free
Symbol:	CK1 epsilon
Synonyms:	CK1ε; CK1epsilon; HCK1E
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126810 sequence for NM_001894 edited (data generated by NextGen Sequencing)

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ATGGAGCTACGTGTGGGGAACAAGTACCGCCTGGGACGGAAGATCGGGAGCGGGTCTTC
GGAGATATCTACCTGGGTGCCAACATCGCCTCTGGTGAGGAAGTCGCCATCAAGCTGGAG
TGTGTGAAGACAAAGCACCCCGAGCTGCACATCGAGAGCAAGTTCTACAAGATGATGCAG
GGTGGCGTGGGGATCCCGTCCATCAAGTGGTGGGAGCTGAGGGCGACTACAACGTGATG
GTCATGGAGCTGCTGGGGCTAGCCTCGAGGACCTGTTCAACTTCTGTTCCCGCAAATTC
AGCCTCAAGACGGTGCTGCTCTTGGCCGACCAGATGATCAGCCGCATCGAGTATATCCAC
TCCAAGAACTTCCACCCGGGACGTCAAGCCCGACAACCTTCTCATGGGGCTGGGGAAG
AAGGGCAACCTGGTCTACATCATCGACTTCGGCCTGGCCAAGAAGTACCGGGACGCCCGC
ACCCACCAGCACATTCCTACCGGAAAACAAGAACCTGACCGGCACGGCCCGCTACGCT
TCCATCAACACGCACCTGGGCATTGAGCAAAGCCGTGAGATGACCTGGAGAGCCTGGGC
TACGTGCTCATGTACTTCAACCTGGGCTCCCTGCCCTGGCAGGGGCTCAAAGCAGCCACC
AAGCGCCAGAAGTATGAACGGATCAGCGAGAAGAAGATGTCAACGCCATCGAGGTCTCTC
TGCAAAGGCTATCCCTCCGAATTCTCAACATACCTCAACTTCTGCCGCTCCCTGCGGTTT
GACGACAAGCCCGACTACTTACCTACGTGAGCTCTTCCGCAACCTCTTCCACCCGGCAG
GGCTTCTCCTATGACTACGTCTTTGACTGGAACATGCTGAAATTCGGTGCAGCCCGGAAT
CCCGAGGATGTGGACCGGGAGCGGCGAGAACACGAACCGGAGGAGAGGATGGGGCAGCTA
CGGGGTCCGCGACCCGAGCCCTGCCCTGGCCACCCACGGGGGCCACTGCCAACCGG
CTCCGAGTGCCGCCGAGCCGTGGCTTCCACGCCAGCCTCCCGCATCCAGCCGGCTGGC
AATACTTCTCCAGAGCGATCTCGCGGGTCCGACGGGAGAGGAAGGTGAGTATGAGGCTG
CACAGGGGTGCGCCCGCAACGTCTCTCTCAGACCTACTGGGCGCAAGAGGTCTCC
CGGATCCAGCCTCACAGACAAGTGTGCCATTTGACCATCTCGGGAAGTGA

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Clone variation with respect to NM_001894.4



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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_001894.4, NP_001885.1</u>
RefSeq Size:	2670 bp
RefSeq ORF:	1251 bp
Locus ID:	1454
UniProt ID:	<u>P49674</u>
Cytogenetics:	22q13.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Circadian rhythm - mammal, Hedgehog signaling pathway, Wnt signaling pathway
Gene Summary:	<p>The protein encoded by this gene is a serine/threonine protein kinase and a member of the casein kinase I protein family, whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein is found in the cytoplasm as a monomer and can phosphorylate a variety of proteins, including itself. This protein has been shown to phosphorylate period, a circadian rhythm protein. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>