

Product datasheet for **RR207437**

Csnk1e (NM_031617) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Csnk1e (NM_031617) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Csnk1e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207437 representing NM_031617
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGCGTGTGGGAAACAAGTATCGCTTGGGCCGGAAGATCGGCAGTGGTCTTTGGCGACATCT
ACCTGGGTGCCAACATTGCCTCTGGTGAGGAAGTAGCCATCAAGCTCGAATGTGTGAAGACGAAGCACCC
ACAGCTCCACATCGAGAGCAAGTTCTACAAGATGATGCAGGGAGGAGTGGGGATCCCATCCATCAAGTGG
TGCGGGGCTGAGGGTGAATAACGTGATGGTCAATGGAGTTGCTGGGGCCAGCCTGGAAGACCTCTTCA
ACTTCTGTTCCCGAAAGTTCAGCCTCAAGACGGTCTGCTGCTGGCCGACCAGATGATCAGCCGCATCGA
GTATATCCACTCCAAGAATTCTCCACCGGGACGTGAAGCCTGACAACCTCCTCATGGGCTGGGGAAG
AAAGGCAATCTGGTATACATCATTGACTTCGGCCTGGCCAAGAAGTACCGGGATGCCCGTACACACCAGC
ATATTCCTACCGGAAAACAAGAACCTGACCGGCACTGCCCGCTATGCCTCTATCAACACCCACCTGGG
CATTGAGCAAAGCCGTCGAGATGACCTGGAGAGCCTGGGCTATGTGCTCATGTACTTCAACCTGGGCTCC
CTGCCCTGGCAAGCCTCAAAGCAGCCACCAAGCGTCAGAAGTACGAGCGGATCAGCGAGAAGAAGATGT
CAACGCCGATCGAGTCTCTGCAAAGGCTACCCCTCTGAGTTCTCAACTTACCTCAACTTCTGCCGCTC
CCTGCGGTTTCGATGACAAACCTGACTACTCCTACCTGCGCCAGCTCTCCGCAATCTCTTTCACCGGCAG
GGTTTCTCCTATGACTACGTCTTCGACTGGAACATGCTCAAATTCGGTGCAGCCCGGAATCCCGAGGACG
TAGACCGGGAGAGACGAGAGCACGAACGGGAAGAGAGGATGGGACAGTTGCGAGGGTCCGCGACCAGAGC
CCTGCCCTGGCCACCAACAGGGGCTACCGCAACCGACTCCGAAGTGCAGCCGAGCCTGTGGCTTCC
ACCCCGGCTCCCGCATCCAGCAAGCTGGCAATACTTCTCCAGAGCGATCTCACGGCAGACCGAGAGA
GGAAGGTGAGCATGAGACTCCACAGAGGTGCGCCTGCCAATGTCTCATCTCAGACCTCACTGGCGACA
AGAGGTCTCCCGAATTGCAGCCTCACAGACAAGCGTGCCATTTGACCATCTTGGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207437 representing NM_031617
Red=Cloning site Green=Tags(s)

MELRVGNKYRLGRKIGSGSFGDIYLGANIASGEEVAIKLECVKTKHPQLHIESKFYKMMQGGVGIPSIKW
 CGAEGDYNVMVMEELLGPSLEDLNFCSRKFSLKTVLLADQMISRIEYIHSKNFIHRDVKPDNFMGLGK
 KGNLVYIIDFGLAKKYRDARTHQHPIPYRENKNLGTARYASINHLGIEQSRDDLESYGVLMYFNLGS
 LPWQGLKAATKRQKYERISEKKMSTPIEVLCKGYPSEFSTYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQ
 GFSYDYVFDWNMLKFGAARNPEDVDRERREHEREERMGQLRGSATRALPPGPPTGATANLRSAAEPVAS
 TPASRIQQAGNTSPRAISRADRERKVSMLRHRGAPANVSSSDLTGRQEVSRIAASQTSVFPDHLGK

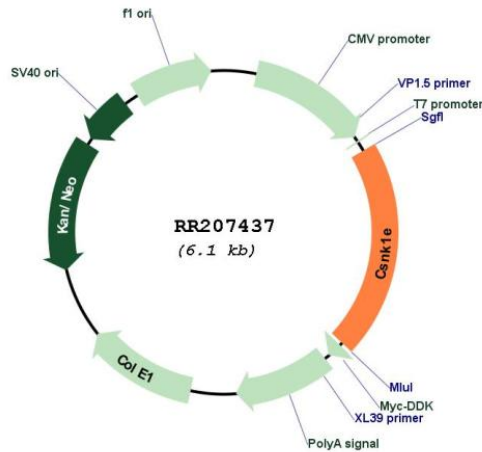
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031617

ORF Size:	1248 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:	<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:	NM_031617.1 , NP_113805.1
RefSeq Size:	1251 bp
RefSeq ORF:	1251 bp
Locus ID:	58822
Cytogenetics:	7q34
MW:	47.3 kDa
Gene Summary:	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. Multiple transcript variants have been detected for this gene, but their full-length natures have not been characterized. [provided by RefSeq, Feb 2014]