

Product datasheet for RN207437

Csnk1e (NM_031617) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1e (NM_031617) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Csnk1e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207437 representing NM_031617 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCTGCGTGTGGGAAACAAGTATCGCTTGGGCCGGAAGATCGGCAGTGGTCTTTGGCGACATCT
ACCTGGGTGCCAACATTGCCTCTGGTGAGGAAGTAGCCATCAAGCTCGAATGTGTGAAGACGAAGCACCC
ACAGCTCCACATCGAGAGCAAGTTCTACAAGATGATGCAGGGAGGAGTGGGGATCCCATCCATCAAGTGG
TCCGGGGCTGAGGGTGACTATAACGTGATGGTCAATGGAGTTGCTGGGGCCAGCCTGGAAGACCTCTTCA
ACTTCTGTTCCCGAAAGTTCAGCCTCAAGACGGTGCTGCTGCTGGCCGACCAGATGATCAGCCGCATCGA
GTATATCCACTCCAAGAATTTCATCCACGGGACGTGAAGCCTGACAACCTCCTCATGGGCTGGGGAAG
AAAGGCAATCTGGTATACATCATTGACTTCGGCCTGGCCAAGAAGTACCGGGATGCCCGTACACACCAGC
ATATTCCTACCGGAAAACAAGAACCTGACCGGCACTGCCCGCTATGCCTCTATCAACACCCACCTGGG
CATTGAGCAAAGCCGTCGAGATGACCTGGAGAGCCTGGGCTATGTGCTCATGTACTTCAACCTGGGCTCC
CTGCCCTGGCAAGGCCTCAAAGCAGCCACCAAGCGTCAGAAGTACGAGCGGATCAGCGAGAAGAAGATGT
CAACGCCGATCGAGTCTCTGCAAAGGCTACCCCTCTGAGTTCTCAACTTACCTCAACTTCTGCCGCTC
CCTGCGGTTTCGATGACAAACCTGACTACTCCTACCTGCGCCAGCTCTCCGCAATCTCTTTCACCGGCAG
GGTTTCTCCTATGACTACGTCTTCGACTGGAACATGCTCAAATTCGGTGCAGCCCGGAATCCCGAGGACG
TAGACCGGGAGAGACGAGAGCACGAACGGGAAGAGAGGATGGGACAGTTGCGAGGGTCCCGGACCAGAGC
CCTGCCCTGGCCACCAACAGGGGCTACCGCAACCGACTCCGAAAGTGCAGCCGAGCCTGTGGCTTCC
ACCCCGGCTCCCGCATCCAGCAAGCTGGCAATACTTCTCCAGAGCGATCTCACGGGCAGACCGAGAGA
GGAAGGTGAGCATGAGACTCCACAGAGGTGCGCCTGCCAATGTCTCATCTCAGACCTCACTGGGCGACA
AGAGGTCTCCCGAATTGCAGCCTCACAGACAAGCGTGCCATTTGACCATCTTGGGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_031617
Insert Size:	1251 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).
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
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]