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Product datasheet for MC227581

Csnk1e (NM_001289898) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1e (NM_001289898) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Csnk1e
Synonyms:	AI426939; AI551861; AW457082; CK1epsilon; CKIe; KC1epsilon; tau
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227581 representing NM_001289898 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGTTGCGTGTGGGAAATAAGTATCGCCTGGGCCGAAAGATCGGCAGTGGCTCCTTTGGAGACATCT ACCTGGGTGCCAACATTGCCTCTGGTGAGGAAGTAGCCATCAAGCTCGAATGTGTGAAGACGAAACATCC CCAGCTCCACATCGAGAGCAAGTTCTACAAGATGATGCAGGGCGGAGTGGGGATCCCGTCCATCAAGTGG TGCGGGGCTGAGGGAGACTATAACGTGATGGTCATGGAGCTGCTGGGGCCCAGCCTGGAGGACCTCTTCA ACTTCTGTTCCCGGAAGTTCAGCCTCAAGACGGTGCTGTTGCTGGCCGACCAGATGATCAGCCGCATCGA GTACATACACTCCAAGAACTTCATCCACCGGGATGTGAAGCCCGACAACTTCCTCATGGGCCTGGGGAAG AAAGGCAACCTGGTGTACATCATTGACTTCGGCCTGGCCAAGAAGTACCGCGATGCCCGCACACACCAGC ATATTCCCTACCGGGAAAACAAGAACCTGACCGGCACTGCCCGCTATGCCTCTATCAACACCCACCTGGG CATTGAGCAAAGCCGTCGAGATGACCTAGAGAGCTTGGGCTATGTGCTCATGTACTTCAACCTGGGCTCC CTGCCCTGGCAGGGCCTCAAAGCAGCCACCAAGCGTCAGAAGTACGAGCGGATTAGCGAGAAGAAGATGT CAACGCCAATCGAGGTCCTCTGCAAAGGCTACCCCTCCGAGTTCTCAACATACCTCAACTTCTGCCGCTC CCTGCGGTTCGATGATAAGCCTGACTACTCCTACCTGCGCCAGCTCTTCCGAAATCTCTTTCACCGGCAG GGTTTCTCCTACGACTACGTCTTCGACTGGAACATGCTCAAATTCGGTGCAGCCCGGAATCCCGAGGATG TAGACCGGGAAAGACGGGAGCACGAACGGGAAGAGAGGATGGGGCAGTTGCGAGGGTCCGCGACCAGAGC CCTGCCCCCTGGCCCACCTACAGGGGCTACCGCCAACCGACTCCGAAGTGCAGCCGAGCCTGTGGCTTCC ACTCCAGCCTCCCGCATCCAACAAACTGGCAATACTTCTCCCAGAGCGATCTCACGGGCCGACCGAGAGA GGAAGGTGAGCATGAGACTCCACAGAGGTGCCCCTGCCAATGTCTCCTCCTCAGACCTCACTGGGCGGCA AGAGGTCTCCCGGCTTGCAGCCTCACAGACAAGCGTGCCATTTGACCATCTTGGGAAATGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001289898
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001289898.1, NP_001276827.1
RefSeq Size:	2756 bp
RefSeq ORF:	1251 bp
Locus ID:	27373
UniProt ID:	Q9JMK2
Cytogenetics:	15 E1
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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2014] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 4 and 5 encode the same isoform (a). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.