

Product datasheet for MR229792

Csnk1e (NM_001289898) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1e (NM_001289898) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csnk1e
Synonyms:	AI426939; AI551861; AW457082; CK1epsilon; CKIe; KC1epsilon; tau
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229792 representing NM_001289898 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTTGCGTGTGGGAAATAAGTATCGCCTGGGCCGAAAGATCGGCAGTGGCTCCTTTGGAGACATCT
ACCTGGGTGCCAACATTGCCTCTGGTGAGGAAGTAGCCATCAAGCTCGAATGTGTGAAGACGAAACATCC
CCAGCTCCACATCGAGAGCAAGTTCTACAAGATGATGCAGGGCGGAGTGGGGATCCCGTCCATCAAGTGG
TGCGGGGCTGAGGGAGACTATAACGTGATGGTCAATGGAGCTGCTGGGGCCAGCCTGGAGGACCTCTTCA
ACTTCTGTTCCCGGAAGTTCAGCCTCAAGACGGTGCTGTTGCTGGCCGACCAGATGATCAGCCGCATCGA
GTACATACACTCCAAGAACTTCATCCACCGGGATGTGAAGCCCGACAACCTCCTCATGGCCTGGGGAAG
AAAGGCAACCTGGTGTACATCATTGACTTCGGCCTGGCCAAGAAGTACCGCGATGCCCGCACACACCAGC
ATATCCCTACCGGAAAACAAGAACCTGACCGGCACTGCCCGCTATGCCTCTATCAACACCCACCTGGG
CATTGAGCAAAGCCGTCGAGATGACCTAGAGAGCTTGGGCTATGTGCTCATGTACTTCAACCTGGGCTCC
CTGCCCTGGCAGGGCCTCAAAGCAGCCACCAAGCGTCAGAAGTACGAGCGGATTAGCGAGAAGAAGATGT
CAACGCCAATCGAGTCTCTGCAAAGGCTACCCCTCCGAGTTCTCAACATACCTCAACTCTGCCGCTC
CCTGCGGTTTCGATGATAAGCCTGACTACTCTACCTGCGCCAGCTCTTCCGAAATCTCTTTCACCCGGCAG
GGTTTCTCCTACGACTACGTCTTCGACTGGAACATGCTCAAATTCGGTGCAGCCCGAATCCCGAGGATG
TAGACCGGAAAGACGGGAGCACGAACGGGAAGAGAGGATGGGGCAGTTGCGAGGGTCCGCGACCAGAGC
CCTGCCCTGGCCACCTACAGGGGCTACCGCAACCGACTCCGAAAGTGCAGCCGAGCCTGTGGCTTCC
ACTCCAGCCTCCCGCATCCAACAACTGGCAATACTTCTCCAGAGCGATCTCACGGGCCGACCAGAGAGA
GGAAGGTGAGCATGAGACTCCACAGAGGTGCCCTGCCAATGTCTCCTCCTCAGACCTACTGGGCGGCA
AGAGGTCTCCCGCTTGCAGCCTCACAGACAAGCGTGCCATTTGACCATCTTGGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001289898.1 , NP_001276827.1
RefSeq Size:	2756 bp
RefSeq ORF:	1251 bp
Locus ID:	27373
UniProt ID:	Q9JMK2
Cytogenetics:	15 E1
MW:	47.8 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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]