

Product datasheet for **MG206573**

Csnk1e (NM_013767) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1e (NM_013767) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csnk1e
Synonyms:	AI426939; AI551861; AW457082; CK1epsilon; CKIe; KC1epsilon; tau
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206573 representing NM_013767 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGCGTGTGGGAAATAAGTATCGCCTGGGCCGAAAGATCGGCAGTGGCTCCTTTGGAGACATCT
ACCTGGGTGCCAACATTGCCTCTGGTGAGGAAGTAGCCATCAAGCTCGAATGTGTAAGACGAAACATCC
CCAGCTCCACATCGAGAGCAAGTCTACAAGATGATGCAGGGCGGAGTGGGGATCCCGTCCATCAAGTGG
TGCGGGGCTGAGGAGACTATAACGTGATGGTCATGGAGCTGCTGGGGCCAGCCTGGAGGACCTCTTCA
ACTTCTGTCCCGAAGTTCAGCCTCAAGACGGTCTGTTGCTGGCCGACCAGATGATCAGCCGCATCGA
GTACATACACTCCAAGAACTTATCCACCGGGATGTGAAGCCCGACAACCTCCTCATGGGCTGGGGGAG
AAAGGCAACCTGGTGTACATCATTGACTTCGGCCTGGCCAAGAAGTACCGCGATGCCCGCACACACCAGC
ATATTCCTACCGGGAAAACAAGAACCTGACCGGCACTGCCCGCTATGCCTCTATCAACACCCACCTGGG
CATTGAGCAAAGCCGTCGAGATGACCTAGAGAGCTTGGGCTATGTGCTCATGTACTTCAACCTGGGCTCC
CTGCCCTGGCAGGGCCTCAAAGCAGCCACCAAGCGTCAGAAGTACGAGCGGATTAGCGAGAAGAAGATGT
CAACGCCAATCGAGGTCCTCTGCAAAGGCTACCCCTCCGAGTTCTCAACATACCTCAACTTCTGCCGCTC
CCTGCGGTTTCGATGATAAGCCTGACTACTCCTACCTGCAGCAGCTCTCCGAAATCTCTTTCACCGGCAG
GGTTTCTCCTACGACTACGTCTTCGACTGGAACATGCTCAAATTCGGTGCAGCCGGAATCCCGAGGATG
TAGACCGGAAAGACGGGAGCACGAACGGGAAGAGAGGATGGGGCAGTTGCGAGGGTCCGCGACCCAGAGC
CCTGCCCCCTGGCCACCTACAGGGGCTACCGCAACCGACTCCGAAGTGCAGCCGAGCCTGTGGCTTCC
ACTCCAGCCTCCCGCATCCAACAACTGGAATACTTCTCCAGAGCGATCTCACGGGCCAGCCGAGAGA
GGAAGGTGAGCATGAGACTCCACAGAGGTGCCCTGCCAATGTCTCCTCCTCAGACCTCACTGGCGGCCA
AGAGGTCTCCCGCTTGCAGCCTCACAGACAAGCGTGCCATTTGACCATCTTGGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206573 representing NM_013767
 Red=Cloning site Green=Tags(s)

MELRVGNKYRLGRKIGSGSFGDIYLGANIASGEEVAIKLECVKTKHPQLHIESKFYKMMQGGVGIPSIKW
 CGAEGDYNVMVMEELLGPSLEDLNFNFCSRKFSLKTVLLADQMISRIEYIHSKNFIHRDVKPDNFMGLGK
 KGNLVYIIDFGLAKKYRDARTHQHIPYRENKNTGTARYASINHLGIEQSRDDLESLGYVLMYFNLGS
 LPWQGLKAATKRQKYERISEKKMSTPIEVLCKGYPSEFSTYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQ
 GFSYDYVFDWNMLKFGAARNPEDVDRERREHEREERMGQLRGSATRALPPGPPTGATANRLRSAAEPVAS
 TPASRIQQTGNTSPRAISRADRERKVSMLHRGAPANVSSSDLTGRQEVSRLLAASQTSVFPDHLGK

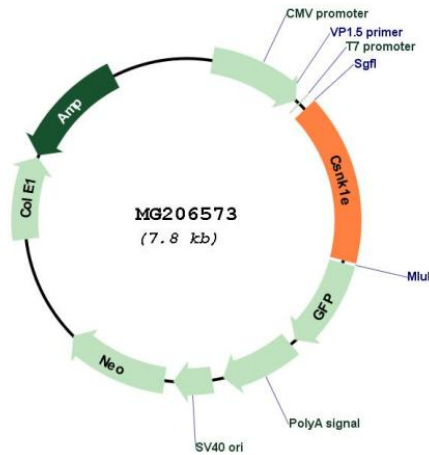
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013767

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_013767.4
RefSeq Size:	2708 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]