

## Product datasheet for MC227318

### Csnk1e (NM\_001289899) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Csnk1e (NM\_001289899) 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:** >MC227318 representing NM\_001289899  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGTTGCGTGTGGGAAATAAGTATCGCCTGGGCCGAAAGATCGGCAGTGGCTCCTTTGGAGACATCT  
 ACCTGGGTGCCAACATTGCCTCTGGTGAGGAAGTAGCCATCAAGCTCGAATGTGTGAAGACGAAACATCC  
 CCAGCTCCACATCGAGAGCAAGTTCTACAAGATGATGCAGGGCGGAGTGGGGATCCCGTCCATCAAGTGG  
 TCGGGGGCTGAGGGAGACTATAACGTGATGGTCAATGGAGCTGCTGGGGCCAGCCTGGAGGACCTCTCA  
 ACTTCTGTTCCCGGAAGTTCAGCCTCAAGACGGTGCTGTTGCTGGCCGACCAGATGATCAGCCGCATCGA  
 GTACATACACTCCAAGAACTTCATCCACCGGGATGTGAAGCCCGACAACCTCCTCATGGGCTGGGGAAG  
 AAAGGCAACCTGGTGTACATCATTGACTTCGGCCTGGCCAAGAAGTACCGCGATGCCCGCACACACCAGC  
 ATATCCCTACCGGAAAACAAGAACCTGACCGGCACTGCCCCGCTATGCCTCTATCAACACCCACCTGGG  
 CATTGAGCAAAGCCGTCGAGATGACCTAGAGAGCTTGGCTATGTGCTCATGTACTTCAACCTGGGCTCC  
 CTGCCCTGGCAGGGCCTCAAAGCAGCCACCAAGCGTCAGAAGTACGAGCGGATTAGCGAGAAGAAGATGT  
 CAACGCCAATCGAGTCTCTGCAAAGGCTACCCCTCCGAGTTCACAACATACCTCAACTTCTGCCGCTC  
 CCTGCGGTTTCGATGATAAGCCTGACTACTCTACCTGCGCCAGCTCTTCGAAATCTCTTTCACCCGCGAG  
 GTTTTCTCTACGACTACGTCTTCGACTGGAACATGCTCAAATTCGGGGCTTCTCGAGCCAGGCTCAGC  
 CCCGAGACAACGAAGCTCTTGGCCACCCTGCCCCGCCCTTGGCCTTGCCTGGGCCCGCATACTCACC  
 CACTTACTGGTGGCCGGCGCCCTGGGCACCCAAGGACCCCGAGATAGGCCGGTGGAGGAGGAGGTGGAA  
 CAACTGCCCCCTCAAAGATATTGGCCTGTGGTCTGGACTCCAGGGCCCCAGTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289899



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<b>Insert Size:</b>	1107 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001289899.1, NP_001276828.1</u>
<b>RefSeq Size:</b>	3174 bp
<b>RefSeq ORF:</b>	1107 bp
<b>Locus ID:</b>	27373
<b>Cytogenetics:</b>	15 E1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a.</p>