

## Product datasheet for **SC212787**

### CSNK1G2 (NM\_001319) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** CSNK1G2 (NM\_001319) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** CSNK1G2  
**Synonyms:** CK1g2  
**ACCN:** NM\_001319  
**Insert Size:** 1165 bp  
**Insert Sequence:** >SC212787 3'UTR clone of NM\_001319  
 The sequence shown below is from the reference sequence of NM\_001319. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGGATCGCC
AAGAGAAAATCGCTGCAGCGACACAAGTGACCTGGGCGCGTGCAGCCCCCTGAATCTTCTCCGTGCAG
CCCCTTGGGGCGCGACCTTGTCGAGGCCCTCGGGGCCACCCACAGCGGCCAGGGCCAGACCCTGGC
TGGAAGCCAGAACGCAGACTGCAGGGGGCGCGCCTGGCTCAGGGCGCCCCACCCCGGGACGTGGGGTC
ACTTCCTTCATGTAAGACTTTGGCCGAAATTTCTACACCTGTGTCTAGTCTCCCTCCAAGAGCATTAA
ACTATTTAAAACAAGGAAAAGAGGAAAAAAAAAACAGAGGCCCGCCCTACCCACTCCTGCCCTCCGT
TTCTTTGCTGAAGTGAGTAGTGATCCTGGAGGCCCGCCCTGGCCCGCCCGCCAGCCGCCCGCC
GTTAGCGTCATAAAGTCCAGCTTGTCTCCCTCGATCCAAAGGCCGTTTTCTCGAGGGGAGGGCAGGCC
GGCCTGGAGGGGTGCTGTGGAGCTGTCTTGCCAGGCCCTCCTGGGAGGGGGACAGGCATTGTTGCCAG
GGGTGAGGCCGTGCCCGAGCCCTCCCGAAACCAAGGGGAAGGCAGGGGTGGGGCCGTGGCTGAAGCC
GGCTCCCCAACCAAAATGCTGCACCAAAGCTCGGGCGCCCGGGCACGGCTGCTGCAGTCTTTCCAG
CCTGGCCCTGGCAAGGGCGGGTGGGCGCTGCCAGGCGGGTGTCTCGACGCACTTGTCCCGGAGGC
TGCGCCCCGCGCCTGGAACCCGAGGTGGGAGGACCGGTTGGTGTACCCCTGCTCGGCCCTCAGCCCTG
CCGCGTGGGGCGCGTGGGCACGGAGCTTCTGCCTCTCTGCTCCGACACCCGGCAAGCAGCCGGAGACA
AAACGCCTTAAAGCCCCCGGCCAGCCCTGCAGGTATATTGCAGGGGCCCTGGGGCGGCCCTGGACTGG
CGGGCGGTTCCCCAGTGGGGTGCCTGGAGGCTGCCGGGCAGAGTGGAGCAGCTTGGGGCCGTGCCAG
GGCGGTGGCTGTGAGTCTAGTTTTTGTCTTACCAAGTGTACAGAAATGGCATTACGTTTTCTCTGATGC
TCCCTTGAAGCCATAGAATTTAGGGCTTTTTTAAAAAATAAAAAGAAAATGAAACAAA
ACGGCTAAGCGGCCCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTCCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_001319.7</a></u>
<b>Summary:</b>	Serine/threonine-protein kinase. Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates COL4A3BP/CERT, MTA1 and SMAD3. Involved in brain development and vesicular trafficking and neurotransmitter releasing from small synaptic vesicles. Regulates fast synaptic transmission mediated by glutamate. SMAD3 phosphorylation promotes its ligand-dependent ubiquitination and subsequent proteasome degradation, thus inhibiting SMAD3-mediated TGF-beta responses. Hyperphosphorylation of the serine-repeat motif of COL4A3BP/CERT leads to its inactivation by dissociation from the Golgi complex, thus down-regulating ER-to-Golgi transport of ceramide and sphingomyelin synthesis. Triggers PER1 proteasomal degradation probably through phosphorylation.[UniProtKB/Swiss-Prot Function]
<b>Locus ID:</b>	1455
<b>MW:</b>	40.6