

## Product datasheet for **MR217169**

### **Csnk1g1 (NM\_173185) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Csnk1g1 (NM_173185) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csnk1g1
Synonyms:	9130020E21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR217169 representing NM\_173185  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACCATTCTAATAGGAAAAGGATGATAGACAACGGACAACAAAACCATGGCACAAGGAATACAC  
 ACTGTTTCGAGACCATCTGGCACTTCAACATCCTCTGGGGTTCTCATGGTGGGACCAACTTCAGGGTTGG  
 CAAGAAGATAGGGTGTGGAACTTCGGAGAGCTCAGATTAGTAAAAATCTCTACACCAATGAATATGTA  
 GCCATTAACCTGGAACCAATAAAATCACGTGCTCCACAACCTTCATTTAGAGTACAGGTTTTATAAACAGC  
 TTGGCAGTGCAGGTGAAGCCTCCACAGGTTTATTACTTTGGACCATGTGGGAAGTACAATGCCATGGT  
 GCTGGAACCTCTGGCCCTAGCTTGAAGACTTGTGGACCTCTGTGACCGAACGTTTACTTTGAAGACG  
 GTGTTAATGATAGCCATCCAGTTGCTTTCTCGAATGGAGTATGTACACTCAAAGAATCTTATTTACCGAG  
 ATGTCAAACCAGAGAACTTCTTGATTGGCCGACAAGGCAATAAGAAAGAGCATGTAATACACATTATAGA  
 TTTTGGACTGGCCAAGGAATATGTTGATCCTGAAACAAAAACACATACCTTACAGAGAGCACAAAAGT  
 TTGACTGGAACCTGCGAGATACATGTCTATCAACACACATCTAGGCAAAGAGCAAAGCCGGCAGATGATT  
 TGGAAAGCCTTAGCCATATGTTTCATGTACTTCTCCGAGGCAGCCTACCTTGGAAGGACTCAAGGCTGA  
 TACATTAAGAGAGATATCAAAAAATCGGTGATACAAAAGGAATACTCCCATCGAAGCTCTCTGTGAG  
 AACTTTCCAGAGGAGATGGCAACCTACCTTCGATATGTCAGGCGATTAGACTTCTTTGAAAACTGATT  
 ATGAGTATTTACGGACCTCTTCCACAGATCTGTTTGAACGGAAAGGCTATACCTTTGACTATGCCTATGA  
 TTGGGTTGGAAGGCTATTCCTACTCCAGTAGGATCAGTTCATGTAGATTCTGGTGCATCTGCAATAACT  
 CGAGAAAGCCACACACAGGGATCGCCATCACAACAACAGCCTCTTAGAAATCAGACTACATCATCAG  
 AGCCCGAGGAGAGTGGGAAATCCAGCCAGCCGGCAGACCAATACCTCATACCTGACGCTCAGCTTGGC  
 CGCAGACCGCCATGGGGGTTAGTACAGGTGGTTAGCTCAACCAATGGAGAGCTGAATGTCGATGACCCC  
 ACTGGAGCTCACTCCAATGCACCAATCACAGCTCATGCCGAAGTGGAGGTAGTGGAGGAAGCTAAGTGCT  
 GCTGTTTCTTTAAGAGGAAAAGGAAGAAGACAGCCAGCGACACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217169 representing NM\_173185  
 Red=Cloning site Green=Tags(s)

MDHSNREKDDRQRTTKTMAQRNTHCSRPSGTSTSSGVLVGPVFRVGGKIGCGNFGELRLGKNLYTNEYV  
 AIKLEPIKSRAPQLHLEYRFYKQLGSAGEGLPQVYFPGCGKYNAMVLELLGPSLEDLFDLDCDRFTLKT  
 VLMIAIQLLSRMEYVHSKNLIYRDVKPENFLIGRQGNKKEHVIHIIDFGLAKEYVDPETKKHIPYREHKS  
 LTGTARYMSINTHLGKEQSRDDLEALGHMFMFLRGLSPWQGLKADTLKERYQKIGDTRKNTPIEALCE  
 NFPEEMATYLRVRRDLDFEKPDPYELRFLFDLFRKGYTFDYAYDWVGRPIPTVGSVHVDSGASAIT  
 RESHTRDRPSQQQLRNQTTSSERRGEWEIQPSRQNTNTSYLTSHLAADRHHGGSVQVVSSTNGELNVDDP  
 TGAHSNAPITAHAEVEVVEEAKCCCFKRRKKAQRHK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9010\\_c05.zip](https://cdn.origene.com/chromatograms/mm9010_c05.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_173185

**ORF Size:** 1377 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:**

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\\_173185.2](#), [NP\\_775277.2](#)

**RefSeq Size:** 7183 bp

**RefSeq ORF:** 1380 bp

**Locus ID:** 214897

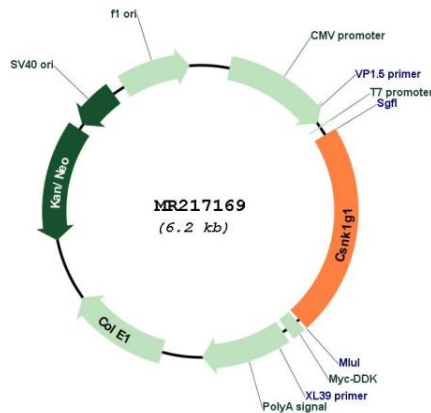
**UniProt ID:** [Q8BTH8](#)

**Cytogenetics:** 9 C

MW: 53.2 kDa

Gene Summary: 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 CLSPN (By similarity). Regulates fast synaptic transmission mediated by glutamate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217169