

Product datasheet for **MC216187**

Csnk1g1 (NM_173185) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC216187 representing NM_173185
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCATTCTAATAGGAAAAGGATGATAGACAACGGACAACAAAACCATGGCACAAGGAATACAC
 ACTGTTTCGAGACCATCTGGCACTTCAACATCCTCTGGGGTTCTCATGGTGGGACCAACTCAGGGTTGG
 CAAGAAGATAGGGTGTGGAACTTCGGAGAGCTCAGATTAGTAAAAATCTCTACACCAATGAATATGTA
 GCCATTAACCTGGAACCAATAAAATCACGTGCTCCACAACCTTCATTTAGAGTACAGGTTTTATAAACAGC
 TTGGCAGTGCAGGTGAAGGCTCCACAGGTTTATTACTTTGGACCATGTGGGAAGTACAATGCCATGGT
 GCTGGAACCTCTGGCCCTAGCTTGAAGACTTGTGGACCTCTGTGACCGAACGTTTACTTTGAAGACG
 GTGTTAATGATAGCCATCCAGTTGCTTCTCGAATGGAGTATGTACACTCAAAGAATCTTATTTACCGAG
 ATGTCAAACCAGAGAACTTCTTGATTGGCCGACAAGGCAATAAGAAAGAGCATGTAATACACATTATAGA
 TTTTGGACTGGCCAAGGAATATGTTGATCCTGAAACCAAAAAACACATACCTTACAGAGAGCACAAAAGT
 TTGACTGGAACCTGCGAGATACATGTCTATCAACACACATCTAGGCAAAGAGCAAAGCCGGCGAGATGATT
 TGAAGCCTTAGGCCATATGTTTCATGTACTTCTCCGAGGCAGCCTACCTGGCAAGGACTCAAGGCTGA
 TACATTAAGAGAGATATCAAAAAATCGGTGATACAAAAGGAATACTCCCATCGAAGCTCTCTGTGAG
 AACTTTCAGAGGAGATGGCAACCTACCTTCGATATGTCAGGCGATTAGACTTCTTTGAAAACTGATT
 ATGAGTATTTACGGACCTCTTCCACAGATCTGTTTGAACGAAAGGCTATACCTTTGACTATGCCTATGA
 TTGGGTTGGAAGGCTATTCTACTCCAGTAGGATCAGTTCATGTAGATTCTGGTGCATCTGCAATAACT
 CGAGAAAGCCACACACAGGGATCGGCCATCACAACAACAGCCTCTTAGAAATCAGACTACATCATCAG
 AGCCCGAGGAGAGTGGGAAATCCAGCCAGCCGCGAGACCAATACCTCATACCTGACGCTCAGCTTGGC
 CGCAGACCGCCATGGGGGTTTCAAGTACAGGTGGTTAGCTCAACCAATGGAGAGCTGAATGTCGATGACCCC
 ACTGGAGCTCACTCCAATGCACCAATCACAGCTCATGCCGAAGTGGAGGTAGTGGAGGAAGCTAAGTGCT
 GCTGTTTCTTTAAGAGGAAAAGGAAGAAGACAGCCAGCGACACAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_173185

Insert Size: 1380 bp

OTI Disclaimer: 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).

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

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]