

Product datasheet for **MG206863**

Csnk1g1 (BC064645) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1g1 (BC064645) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csnk1g1
Synonyms:	9130020E21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206863 representing BC064645 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCATTCTAATAGGGAAAAGGATGATAGACAACGGACAACAAAACCATGGCACAAAGGAATACAC
ACTGTTTCGAGACCATCTGGCACTCAACATCCTCTGGGTTCTCATGGTGGGACCAACTCAGGGTTGG
CAAGAAGATAGGGTGTGGAACTTCGGAGAGCTCAGATTAGGTAATAATCTCTACACCAATGAATATGTA
GCCATTAACCTGGAACCAATAAATCACGTGCTCCACAACCTTCATTTAGAGTACAGGTTTTATAACAGC
TTGGCAGTGCAGGTGAAGCCTCCACAGTTTTATTACTTTGGACCATGTGGGAAGTACAATGCCATGGT
GCTGGAACCTCTGGCCCTAGCTTGAAGACTTGTGGTACCTCTGTGACCGAACGTTTACTTTGAAGACG
GTGTTAATGATAGCCATCCAGTTGCTTTCTCGAATGGAGTATGTACACTCAAAGAATCTTATTTACCGAG
ATGTCAAACAGAGAACTTCTTGATTGGCCGACAAGGCAATAAGAAAGAGCATGTAATACACATTATAGA
TTTTGGACTGGCCAAGGAATATGTTGATCCTGAAACCAAAAAACACATACCTTACAGAGAGCACAAAAGT
TTGACTGGAACCTGCGAGATACATGTCTATCAACACACATCTAGGCAAAGAGCAAAGCCGGCAGATGATT
TGAAGCCTTAGGCCATATGTTTCATGTACTTCTCCGAGGCAGCCTACCTGGCAAGGACTCAAGGCTGA
TACATTAAGAGAGATATCAAAAAATCGGTGATACCAAAAGGAATACTCCCATCGAAGCTCTCTGTGAG
AACTTTCCAGAGGAGATGGCAACCTACCTTCGATATGTCAGGCGATTAGACTTTTAAAAACCTGATT
ATGATATTTACGGACCCTCTTACAGATCTGTTTGAACGAAAAGGCTATACCTTTGACTATGCCTATGA
TTGGGTTGGAAGGCCTATTCTACTCCAGTAGGATCAGTTCATGTAGATTCTGGTGCATCTGCAATAACT
CGAGAAAGCCACACACAGGGATCGGCCATCACAACAACAGCCTCTTAGAAATCAGGTGGTTAGCTCAA
CCAATGGAGAGCTGAATGTCGATGACCCCACTGGAGCTCACTCCAATGCACCAATCACAGCTCATGCCGA
AGTGGAGGTAGTGGAGGAAGCTAACTGCCTGAAAATGCTCAACCTGTGGTGTCTGTTTCTTTAAGAGG
AAAAGGAAGAAGACAGCCAGCGACACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206863 representing BC064645
 Red=Cloning site Green=Tags(s)

MDHSNREKDDRQRTTKTMAQRNTHCSRPSGTSTSSGVLVMPNFRVGGKIGCGNFGELRLGKNLYTNEYV
 AIKLEPIKSRAPQLHLEYRFYKQLGSAGEGLPQVYFPGCGKYNAMVLELLGPSLEDLFDLCDRTFTLKT
 VLMIAIQLLSRMEYVHSKNLIYRDVKNPENFLIGRQGNKKEHVIHIIDFGLAKEYVDPETKKHIPIREHKS
 LTGTARYMSINTHLGKEQSRDDLEALGHMFMYFLRGSPLPWQGLKADTLKERYQKIGDTRKNTPIEALCE
 NFPEEMATYLRVRRLDFFEKPDYEYLRFLFDLFEKGYTFDYAYDWVGRPIPTVGSVHVDSGASAIT
 RESHTHRDRPSQQQLRNQVVSSTNGELNVDDPTGAHNSNAPITAHAEVEVVEANCLKMLNWLCCCFKFR
 KRKKTAQRHK

TRTRPLE - GFP Tag - V

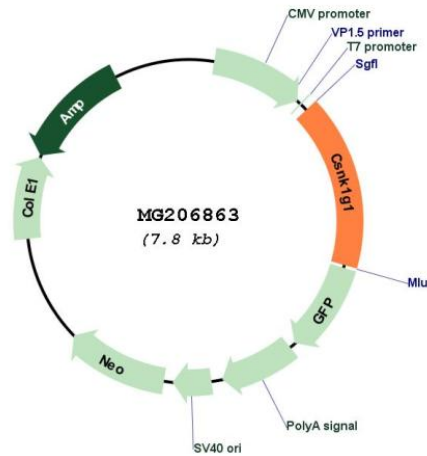
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC064645

ORF Size:	1290 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:	BC064645.1
RefSeq Size:	5178 bp
RefSeq ORF:	1292 bp
Locus ID:	214897
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]