

Product datasheet for **MG217544**

Csnk1g3 (NM_152809) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1g3 (NM_152809) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csnk1g3
Synonyms:	3300002K07Rik; C330049O21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217544 representing NM_152809 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAATAAAAAGAAAGACAAGGACAAATCAGATGATAGAATGGCACGGCCAGTGGTCGGTCAGGGC
ACAGCACTCGAGGAAGTGGTCTTCTTCATCTGGAGTTTTAATGGTTGGACCTAACTTTAGAGTTGGGAA
AAAAATCGGATGTGGCAATTTGGAGAATTACGATTAGGGAAAAATTTATACACAAATGAATATGTGGCG
ATTAAGTGGAGCCCATGAAATCCAGAGCACACAGCTGCATTTGAATACAGATTCTATAAGCAGTTAG
GATCTGGAGATGGTATACCTCAAGTTTACTATTTGGCCCTTGTGGTAAATACAACGCGATGGTGTGGA
ACTGCTGGGACCGAGTTTGGAGGATTTGTTTGACCTCTGTGATAGAACATTTTCTCTAAAACAGTTCTC
ATGATAGCTATACAGCTGATTTCTCGTATGGAGTATGTCCACTCAAAGAAGTGTATACAGAGATGTGA
AGCCTGAGAACTTCTTAATAGGACGGCCAGGAAACAAAGCCAGCAAGTCATTATATCATAGATTTTGG
TTTGGCAAAGGAATATATTGATCCAGAGACAAAGAAACATATACCATACAGAGAACACAAAAGCCTTACC
GGAACCGCCAGATACATGAGCATAAACACACATCTAGGAAAAGAGCAGAGTAGAAGAGATGATTTAGAAG
CCTTAGGCCACATGTTTCATGTAATCTTCTGAGAGGCAGTCTTCTTGGCAAGGCTTAAAGGCTGACACATT
AAAAGAGAGGTATCAGAAAATTTGGAGACACAAAACGAGCCACACCAATAGAAGTGTGTGTGAGAACTTC
CCAGAAGAAATGGCAACGTATCTCCGTTACGTACGAAGGCTGGATTTTTTTGAAAAGCCAGACTATGATT
ACCTAAGAAAGCTTTTTACTGACTTGTGGATCGAAAAGGGTATATGTTTGATTATGAATATGACTGGAT
TGGTAAACAGTTGCCTACTCCAGTAGGTGCAGTTCAGCAAGACCCCTGCTCTGTATCAAACAGAGAAGCA
CACCAACACAGAGATAAGATACAGCAGTCTAAAACCAGGTTGTAAGTTCTACAAATGGAGAGCTGAACA
CGGATGACCCACGGCAGGACGGTCGAATGCACCCATTACAGCTCCTACAGAAAGTGAAGTGTGGACGA
GACAAACTGCCAGAAAGTATTGAATATGTGGTGTCTGTTTTTTCAAACGAAGGAAAAGGAAAACCATA
CAACGTCACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217544 representing NM_152809
 Red=Cloning site Green=Tags(s)

MDNKKKDKDKSDDRMARPSGRSGHSTRGTGSSSSGVLVVGPNFRVGGKIGCGNFGELRLGKNLYTNEYVA
 IKLEPMKSRAPQLHLEYRFYKQLGSGDGIPOVYFPGCGKYNAMVLELLGPSLEDLFDLCDRTFSLKTVL
 MIAIQLISRMEYVHSKNLIYRDVKPENFLIGRPGNKAQQVIHIIDFGLAKEYIDPETKKHIPPYREHKS
 LTGTARYMSINTHLGKEQSRDDLEALGHMFMFLRGLPWQGLKADTLKERYQKIGDTRATPIEVLNENF
 PEEMATYLRVRRLLDFEKPDIYDLRKLFDLDRKGYMFDYEDWIGQLPTPVGAVQQDPALSSNREA
 HQHRDKIQSKNQVSSSTNGELNTDDPTAGRSNAPITAPTEVEVMDETNCQKVLNMWCCCFKRRKRKTI
 QRHK

TRTRPLE - GFP Tag - V

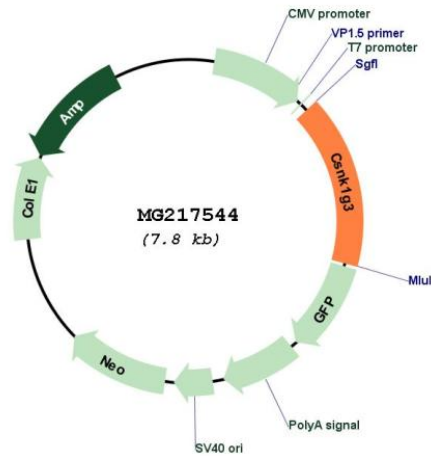
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_152809

ORF Size:	1272 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:	NM_152809.2 , NP_690022.2
RefSeq Size:	4394 bp
RefSeq ORF:	1275 bp
Locus ID:	70425
UniProt ID:	Q8C4X2
Cytogenetics:	18 D1
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 (By similarity). Regulates fast synaptic transmission mediated by glutamate.[UniProtKB/Swiss-Prot Function]