

Product datasheet for **MG206546**

Csnk1d (NM_139059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1d (NM_139059) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csnk1d
Synonyms:	1200006A05Rik; AA409348; D930010H05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206546 representing NM_139059 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGAGGGTCGGGAACAGGTACCGACTGGGCCGAAGATCGGCAGCGGCTCCTTCGGAGACATCT
ATCTCGGTACGGACATTGCTGCGGGAGAAGAAGTTGCCATCAAGCTTGAATGTGTCAAACCAAACATCC
TCAGCTCCACATTGAGAGCAAGATCTACAAAATGATGCAGGGAGGAGTGGGCATCCCTACCATCAGATGG
TGTGGGGCTGAGGGGACTACAATGTATGGTGTGGAGCTACTGGGACCCAGCCTGGAAGACCTGTTCA
ACTTCTGTTCAAGGAAGTTTAGTCTCAAACACTGTTCTGTTGCTTGCTGACCAAATGATAAGTCGTATTGA
GTACATTCATTGAAGAATTTATCCACCGAGATGTGAAGCCAGATAACTTCCTCATGGGGCTGGGAAAG
AAAGGCAACCTGGTCTACATCATTGACTTTGGGCTGGCCAAGAAGTATCGGGATGCACGCACCCACCAGC
ATATCCCCTATCGAGAGAACAAGAACCTCACAGGGACAGCACGCTATGCCTCCATCAACACGCACCTTGG
CATTGAACAATCTCGAAGGGATGACTTGGAGTCTCTGGGGTACGTGCTGATGACTTCAACCTGGGCTCT
CTCCCCTGGCAGGGGCTGAAGGCCGCCACCAAGAGGCAGAAGTATGAGAGGATCAGTGAGAAGAAGATGT
CCACTCCCATTGAAGTGTGTGCAAGGGCTATCCTTCTGAATTTGCCACATACCTGAATTTCTGCCGTTT
CTTACGTTTTGATGACAAACCTGACTACTCCTACCTGAGACAGCTCTTCAGAAATCTGTTCCATCGCCAA
GGCTTCTCCTACGACTATGTGTTGACTGGAACATGCTCAAATTTGGTGCCAGCCGGGCTGCAGATGATG
CTGAGCGGGAACGCCGGGATCGAGAAGAACGATTAAGACACTCCCGGAATCCAGCCACTCGTGGCTCCC
TTCTACAGCTTCCGGCCGCTGCGGGGAACCCAGGAAGTGGCTCCCCAACGCCCTTACCCTACCTCA
CACACGGCCAACACCTCTCCGAGGCTGTCTCTGGCATGGAACGAGAACGAAAGTGAGTATGCGGCTGC
ACCGTGGGGCCCCAGTCAACGTCTCCTCATCTGATCTCACGGGCCGACAAGATACCTCTCGCATGTCCAC
CTCACAGATTCGGTTCGGTGGCTTCCAGTGGTCTTTCAGTCTGCTGTCACCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206546 representing NM_139059
 Red=Cloning site Green=Tags(s)

MELRVGNRYRLGRKIGSGSFGDIYLGTDIAAGEEVAIKLECVKTKHPQLHIESKIYKMMQGGVGIPTIRW
 CGAEGDYNVMVMEELLGPSLEDLNFNFCSRKFSLKTVLLADQMISRIEYIHSKNFIHRDVKPDNFMGLGK
 KGNLVYIIDFGLAKKYRDARTHQHIPYRENKNTGTARYASINHLGIEQSRDDLESLGYVLMYFNLGS
 LPWQGLKAATKRQKYERISEKKMSTPIEVLCCKGYPSEFATYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQ
 GFSYDYVFDWNMLKFGASRAADDAERERRDREERLRHSRNPATRGLPSTASGRLRGTQEVAPPTPLTPTS
 HTANTSPRPVSGMERERKYSMLRHRGAPVNVSSDLTGRQDTSRMSTSQIPGRVASSGLQSVVHR

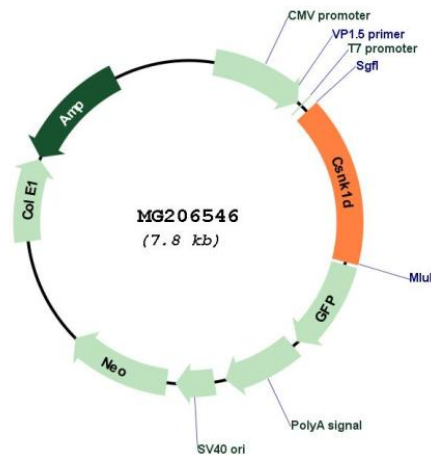
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_139059

ORF Size:	1245 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_139059.2 , NP_620690.1
RefSeq Size:	3686 bp
RefSeq ORF:	1248 bp
Locus ID:	104318
UniProt ID:	Q9DC28
Cytogenetics:	11 E2
Gene Summary:	This gene encodes a member of the casein kinase I (CKI) family of serine/threonine protein kinases. A highly similar human protein regulates an array of cellular processes by influencing the Wnt and hedgehog signaling pathways. The encoded protein may also be involved in the regulation of apoptosis, circadian rhythm, microtubule dynamics, chromosome segregation, and p53-mediated effects on growth. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]