

Product datasheet for **MG224444**

Csnk1d (NM_027874) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1d (NM_027874) 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:	>MG224444 representing NM_027874 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGAGGGTCGGGAACAGGTACCGACTGGGCCGAAGATCGGCAGCGGCTCCTTCGGAGACATCT
ATCTCGGTACGGACATTGCTGCGGGAGAAGAAGTTGCCATCAAGCTTGAATGTGTCAAACCAAACATCC
TCAGCTCCACATTGAGAGCAAGATCTACAAAATGATGCAGGGAGGAGTGGGCATCCCTACCATCAGATGG
TGTGGGGCTGAGGGGACTACAATGTCATGGTGTGGAGCTACTGGGACCCAGCCTGGAAGACCTGTTCA
ACTTCTGTTCAAGGAAGTTTAGTCTCAAACACTGTTCTGTTGCTTGCTGACCAAATGATAAGTCGTATTGA
GTACATTCATTGAAGAATTTTATCCACCGAGATGTGAAGCCAGATAACTTCTCATGGGGCTGGGAAAG
AAAGGCAACCTGGTCTACATCATTGACTTTGGGCTGGCCAAGAAGTATCGGGATGACGCGACCCACCAGC
ATATCCCCTATCGAGAGAACAAGAACCTCACAGGGACAGCACGCTATGCCTCCATCAACACGCACCTTGG
CATTGAACAATCTCGAAGGGATGACTTGGAGTCTCTGGGGTACGTGCTGATGACTTCAACCTGGGCTCT
CTCCCCTGGCAGGGGCTGAAGGCCGCCACCAAGAGGCAGAAGTATGAGAGGATCAGTGAGAAGAAGATGT
CCACTCCCATTGAAGTGTGTGCAAGGGCTATCCTTCTGAATTTGCCACATACCTGAATTTCTGCCGTTT
CTTACGTTTTGATGACAAACCTGACTACTCCTACCTGAGACAGCTCTTCAGAAATCTGTTCCATCGCCAA
GGCTTCTCCTACGACTATGTGTTGACTGGAACATGCTCAAATTTGGTGCCAGCCGGGCTGCAGATGATG
CTGAGCGGGAACGCCGGGATCGAGAAGAACGATTAAGACACTCCCGGAATCCAGCCACTCGTGGCCTCCC
TTCTACAGCTTCCGGCCGCTGCGGGGAACCCAGGAAGTGCTCCCCCAACGCCCTTACCCTACCTCA
CACACGGCCAACACCTCTCCGAGGCTGTCTCTGGCATGGAACGAGAACGAAAGTGAGTATGCGGCTGC
ACCGTGGGGCCCCAGTCAACGTCTCCTCATCTGATCTCACGGGCCACAAGATACCTCTCGCATGTCCAC
CTCACAGAATAGCATTCTTTTGAACACCACGGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224444 representing NM_027874
 Red=Cloning site Green=Tags(s)

MELRVGNRYRLGRKIGSGSFGDIYLGTDIAAGEEVAIKLECVKTKHPQLHIESKIYKMMQGGVGIPTIRW
 CGAEGDYNVMVMEELLGPSLEDLNFCSRKFSLKTVLLADQMISRIEYIHSKNFIHRDVKPDNFMGLGK
 KGNLVYIIDFGLAKKYRDARTHQHIPYRENKNTGTARYASINHLGIEQSRDDLESLGYVLMYFNLGS
 LPWQGLKAATKRQKYERISEKKMSTPIEVLCCKGYPSEFATYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQ
 GFSYDYVFDWNMLKFGASRAADDAERERRDREERLRHSRNPATRGLPSTASGRLRGTQEVAPPTPLTPTS
 HTANTSPRPVSGMERERKYSMRLHRGAPVNVSSDLTGRQDTSRMSTSQNSIPFEHHGK

TRTRPLE - GFP Tag - V

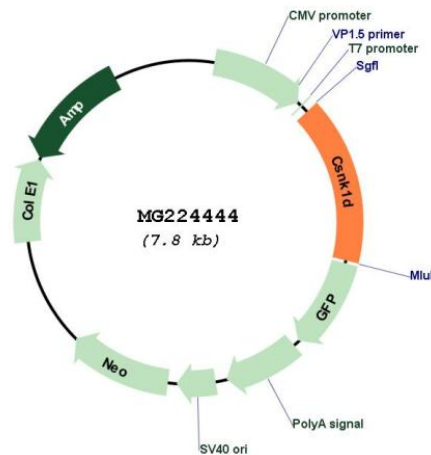
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_027874

ORF Size:	1227 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_027874.2 , NP_082150.1
RefSeq Size:	3749 bp
RefSeq ORF:	1230 bp
Locus ID:	104318
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]