

## Product datasheet for MR224444

### Csnk1d (NM\_027874) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Csnk1d (NM\_027874) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Csnk1d  
**Synonyms:** 1200006A05Rik; AA409348; D930010H05Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR224444 representing NM\_027874  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCTGAGGGTCGGGAACAGGTACCGACTGGGCCGAAGATCGGCAGCGGCTCCTTCGGAGACATCT  
 ATCTCGGTACGGACATTGCTGCGGGAGAAGAAGTTGCCATCAAGCTTGAATGTGTCAAACCAAACATCC  
 TCAGCTCCACATTGAGAGCAAGATCTACAAAATGATGCAGGGAGGAGTGGGCATCCCTACCATCAGATGG  
 TGTGGGGCTGAGGGGACTACAATGTATGGTGTGGAGCTACTGGGACCCAGCCTGGAAGACCTGTTCA  
 ACTTCTGTCAAGGAAGTTTAGTCTCAAACACTGTTCTGTTGCTTGCTGACCAAATGATAAGTCGATTGA  
 GTACATTCATTGAAGAATTTATCCACCAGATGTGAAGCCAGATAACTTCTCATGGGGCTGGGAAAG  
 AAAGGCAACCTGGTCTACATCATTGACTTTGGGCTGGCCAAGAAGTATCGGGATGCACGCACCCACCAGC  
 ATATCCCCTATCGAGAGAACAAGAACCTCACAGGGACAGCACGCTATGCCTCCATCAACACGCACCTTGG  
 CATTGAACAATCTCGAAGGGATGACTTGGAGTCTCTGGGGTACGTGCTGATGACTTCAACCTGGGCTCT  
 CTCCCCTGGCAGGGGCTGAAGGCCGCCACCAAGAGGCAGAAGTATGAGAGGATCAGTGAGAAGAAGATGT  
 CCACTCCCATTGAAGTGTGTGCAAGGGCTATCCTTCTGAATTTGCCACATACCTGAATTTCTGCCGTTCT  
 CTTACGTTTTGATGACAAACCTGACTACTCCTACCTGAGACAGCTCTTCAGAAATCTGTTCCATCGCCAA  
 GGCTTCTCCTACGACTATGTGTTGACTGGAACATGCTCAAATTTGGTGCCAGCCGGGCTGCAGATGATG  
 CTGAGCGGGAACGCCGGGATCGAGAAGAACGATTAAGACACTCCCGGAATCCAGCCACTCGTGGCCTCCC  
 TTCTACAGCTTCCGGCCGCTGCGGGGAACCCAGGAAGTGGCTCCCCAACGCCCTTACCCTACCTCA  
 CACACGGCCAACACCTCTCCGAGGCTGTCTCTGGCATGGAACGAGAACGAAAGTGAGTATGCGGCTGC  
 ACCGTGGGGCCCCAGTCAACGTCTCCTCATCTGATCTCACGGGCCACAAGATACCTCTCGCATGTCCAC  
 CTCACAGAATAGCATTCTTTTGAACACCACGGCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224444 representing NM\_027874  
 Red=Cloning site Green=Tags(s)

MELRVGNRYRLGRKIGSGSFGDIYLGTDIAAGEEVAIKLECVKTKHPQLHIESKIYKMMQGGVGIPTIRW  
 CGAEGDYNVMVMEELLGPSLEDLNFCSRKFSLKTVLLADQMISRIEYIHSKNFIHRDVKPDNFMGLGK  
 KGNLVYIIDFGLAKKYRDARTHQHIPYRENKNTGTARYASINHLGIEQSRDDLESLGYVLMYFNLGS  
 LPWQGLKAATKRQKYERISEKKMSTPIEVLCKGYPSEFATYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQ  
 GFSYDYVFDWNMLKFGASRAADDAERERRDREERLRHSRNPATRGLPSTASGRLRGTQEVAPPTPLTPTS  
 HTANTSPRPVSGMERERKYSMRLHRGAPVNVSSDLTGRQDTSRMSTSQNSIPFEHHGK

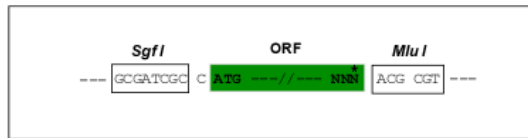
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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:**

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

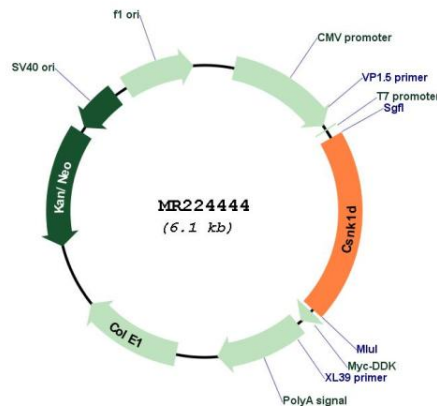
**Locus ID:** 104318

**Cytogenetics:** 11 E2

**MW:** 47.3 kDa

**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]

### Product images:



Circular map for MR224444