

Product datasheet for MR206546

Csnk1d (NM_139059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1d (NM_139059) 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:	>MR206546 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGAGGGTGGGAACAGGTACCGACTGGGCCGCAAGATCGGCAGCGGCTCCTTCGGAGACATCT
ATCTCGGTACGGACATTGCTGCGGGAGAAGAAGTTGCCATCAAGCTTGAATGTGTCAAACCAAACATCC
TCAGCTCCACATTGAGAGCAAGATCTACAAAATGATGCAGGGAGGAGTGGGCATCCCTACCATCAGATGG
TGTGGGGCTGAGGGGACTACAATGTATGGTGTGGAGCTACTGGACCCAGCCTGGAAGACCTGTTCA
ACTTCTGTCAAGGAAGTTTAGTCTCAAACACTGTTCTGTTGCTTGCTGACCAAATGATAAGTCGTATTGA
GTACATTCATTGAAGAATTTTATCCACCAGATGTGAAGCCAGATAACTTCCTCATGGGGCTGGGAAAG
AAAGGCAACCTGGTCTACATCATTGACTTTGGGCTGGCCAAGAAGTATCGGGATGCACGCACCCACCAGC
ATATCCCCTATCGAGAGAACAAGAACCTCACAGGGACAGCACGCTATGCCTCCATCAACACGCACCTTGG
CATTGAACAATCTCGAAGGGATGACTTGGAGTCTCTGGGGTACGTGCTGATGACTTCAACCTGGGCTCT
CTCCCCTGGCAGGGGCTGAAGGCCGCCACCAAGAGGCAGAAGTATGAGAGGATCAGTGAGAAGAAGATGT
CCACTCCCATTGAAGTGTGTGCAAGGGCTATCCTTCTGAATTTGCCACATACCTGAATTTCTGCCGTTT
CCTACGTTTTGATGACAAACCTGACTACTCCTACCTGAGACAGCTTTTCCAGAAATCTGTTCCATCGCCAA
GGCTTCTCCTACGACTATGTGTTGACTGGAACATGCTCAAATTTGGTGCCAGCCGGGCTGCAGATGATG
CTGAGCGGGAACGCCGGGATCGAGAAGAACGATTAAGACACTCCCGGAATCCAGCCACTCGTGGCTCCC
TTCTACAGCTTCCGGCCGCTGCGGGGAACCCAGGAAGTGGCTCCCCAACGCCCTTACCCTACCTCA
CACACGGCCAACACCTCTCCGAGGCTGTCTCTGGCATGGAACGAGAACGAAAGTGAGTATGCGGCTGC
ACCGTGGGGCCCCAGTCAACGTCTCCTCATCTGATCTCACGGGCCGACAAGATACCTCTCGCATGTCCAC
CTCACAGATTCGGTTCGGTGGCTTCCAGTGGTCTTTCAGTCTGCTGTCACCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206546 protein sequence
 Red=Cloning site Green=Tags(s)

MELRVGNRYRLGRKIGSGSFGDIYLGTDIAAGEEVAIKLECVKTKHPQLHIESKIYKMMQGGVGIPTIRW
 CGAEGDYNVMVMEELLGPSLEDLNFCSRKFSLKTVLLADQMISRIEYIHSKNFIHRDVKPDNFMGLGK
 KGNLVYIIDFGLAKKYRDARTHQHPIPYRENKNTGTARYASINHLGIEQSRDDLESLGYVLMYFNLGS
 LPWQGLKAATKRQKYERISEKKMSTPIEVLCKGYPSEFATYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQ
 GFSYDYVFDWNMLKFGASRAADDAERERRDREERLRHSRNPATRGLPSTASGRLRGTQEVAPPTPLTPTS
 HTANTSPRPVSGMERERKYSMLRHRGAPVNVSSDLTGRQDTSRMSTSQIPGRVASSGLQSVVHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_139059

ORF Size: 1248 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_139059.2](#), [NP_620690.1](#)

RefSeq Size: 3686 bp

RefSeq ORF: 1248 bp

Locus ID: 104318

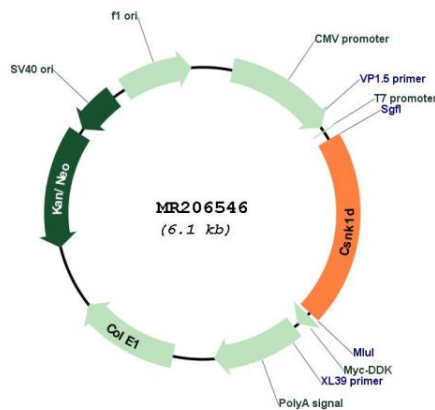
UniProt ID: [Q9DC28](#)

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 MR206546