

Product datasheet for **RG204965**

Casein Kinase 1 delta (CSNK1D) (NM_139062) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casein Kinase 1 delta (CSNK1D) (NM_139062) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Casein Kinase 1 delta
Synonyms:	ASPS; CKI-delta; CKId; CKIdelta; FASPS2; HCKID
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204965 representing NM_139062 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGAGAGTCGGGAACAGGTACCGGCTGGGCCGGAAGATCGGCAGCGGCTCCTTCGGAGACATCT
ATCTCGGTACGGACATTGCTGCAGGAGAAGAGTTGCCATCAAGCTTGAATGTGTCAAACCAAACACCC
TCAGCTCCACATTGAGAGCAAAATCTACAAGATGATGCAGGGAGGAGTGGGCATCCCCACCATCAGATGG
TGGGGGGCAGAGGGGACTACAACGTATGGTGTGGAGCTGCTGGGGCCAAGCCTGGAGGACCTCTTCA
ACTTCTGCTCCAGGAAATTCAGCCTCAAACCGTCTGCTGCTTGTGACCAAATGATCAGTCGCATCGA
ATACATTCATTCAAAGAACTTCATCCACCGGGATGTGAAGCCAGACAACCTCCTCATGGGCTGGGGGAA
AAGGGCAACCTGGTGTACATCATCGACTTCGGGCTGGCCAAGAAGTACCGGGATGCACGCACCCACCAGC
ACATCCCCTATCGTGAGAACAAGAACCTCACGGGACGGCGCGGTACGCCTCCATCAACACGCACCTTGG
AATTGAACAATCCCGAAGAGATGACTTGGAGTCTCTGGGCTACGTGCTAATGTACTTCAACCTGGGCTCT
CTCCCCTGGCAGGGGCTGAAGGCTGCCACCAAGAGACAGAAATACGAAAGGATTAGCGAGAAGAAAATGT
CCACCCCATCGAAGTGTGTGTAAGGCTACCCTCCGAATTTGCCACATACCTGAATTTCTGCCGTTCT
CTTGCCTTTTACGACAAGCCTGACTACTCGTACCTGCGGCAGCTTTTCCGGAATCTGTTCCATCGCCAG
GGCTTCTCCTATGACTACGTGTTTCGACTGGAACATGCTCAAATTTGGTGCCAGCCGGGCCGCGATGAGC
CCGAGCGGGAGCGCAGGGACCGAGAGGAGCGGCTGAGACACTCGCGGAACCCGGCTACCCGCGGCCTCCC
TTCCACAGCCTCCGGCCGCTGCGGGGACGCAGGAAGTGCTCCCCCACACCCCTCACCCCTACCTCA
CACACGGCTAACACCTCCCCCGGCCGCTCCTCGCATGGAGAGAGAGCGGAAAGTGAGTATGCGGCTGC
ACCGCGGGGCCCGTCAACATCTCCTCGTCCGACCTCACAGGCCGACAAGATACCTCTCGCATGTCCAC
CTCACAGAATAGCATTCTTTTGAACACCACGGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204965 representing NM_139062
 Red=Cloning site Green=Tags(s)

MELRVGNRYRLGRKIGSGSFGDIYLGTDIAAGEEVAIKLECVKTKHPQLHIESKIYKMMQGGVGIPTIRW
 CGAEGDYNVMVMEELLGPSLEDLFNFCSRKFSLKTVLLADQMISRIEYIHSKNFIHRDVKPDNFMGLGK
 KGNLVYIIDFGLAKKYRDARTHQHPIPYRENKNTGTARYASINHLGIEQSRDDLESLGYVLMYFNLGS
 LPWQGLKAATKRQKYERISEKKMSTPIEVLCCKGYPSEFATYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQ
 GFSYDYVFDWNMLKFGASRAADDAERERRDREERLRHSRNPATRGLPSTASGRLRGTQEVAPPTPLTPTS
 HTANTSPRPVSGMERERKYSMRLHRGAPVNISSSDLTGRQDTSRMSTSQNSIPFEHHGK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_139062

ORF Size: 1227 bp

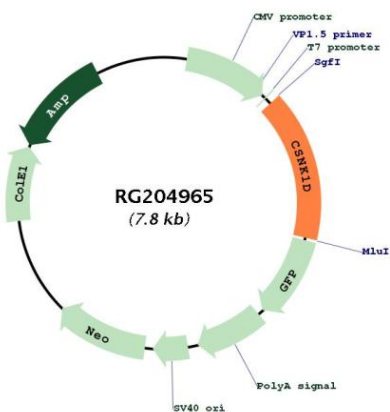
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_139062.4
RefSeq Size:	2106 bp
RefSeq ORF:	1230 bp
Locus ID:	1453
UniProt ID:	P48730
Cytogenetics:	17q25.3
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Circadian rhythm - mammal, Gap junction, Hedgehog signaling pathway
Gene Summary:	<p>This gene is a member of the casein kinase I (CKI) gene family whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein may also be involved in the regulation of apoptosis, circadian rhythm, microtubule dynamics, chromosome segregation, and p53-mediated effects on growth. The encoded protein is highly similar to the mouse and rat CK1 delta homologs. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]</p>

Product images:



Circular map for RG204965