

Product datasheet for **SC319469**

Casein Kinase 1 delta (CSNK1D) (NM_001893) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Casein Kinase 1 delta (CSNK1D) (NM_001893) Human Untagged Clone
Tag:	Tag Free
Symbol:	Casein Kinase 1 delta
Synonyms:	ASPS; CKI-delta; CKId; CKIdelta; FASPS2; HCKID
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001893.3
 GCGGCGGCTCCTTTAGGCAGCTGAAAGGGGATTTAGGCCCGGAAGATCCGAGTCCATCCG
 CGGCGGGGAGAGGGCAAGCGGGACCGGTAGGGGCCGGAGCAGCGGCGGGCGCTCGGAC
 TGTCATCCGCCCGTATTGAGCGCTGGGAGCGGGGGCGACAGGAAAGCGATGGTG
 AAAGCGGGGCGGTGAGGGGGCGGAGCCGGGAGCCGGACCCGAGTAGCGGCAGCAGCGG
 CGCCGCCCTCCAGAGTTCAGACCAGGAAGCGGCGGGAGGGCAGGAGCGAATCGGGCCG
 CGGCCCATGGAGCTGAGAGTCGGGAACAGGTACCGGTGGGCCGGAAGATCGGCAGCG
 GCTCCTTCGGAGACATCTATCTCGGTACGGACATTGCTGCAGGAGAAGAGTTGCCATCA
 AGCTTGAATGTGTCAAAACCAAAACACCCTCAGCTCCACATTGAGAGCAAAATCTACAAGA
 TGATGCAGGGAGGAGTGGGCATCCCCACCATCAGATGGTGCGGGGCGAGGGGGACTACA
 ACGTCATGGTGTGAGCTGCTGGGGCCAAGCCTGGAGGACCTTTCAACTTCTGCTCCA
 GGAAATTCAGCCTCAAACCGTCTCTGCTTGTGCTGACCAATGATCAGTCGCATCGAAT
 ACATTCATTCAAAGAACTTCATCCACCGGGATGTGAAGCCAGACAACCTTCTCATGGGCC
 TGGGAAGAAGGGCAACCTGGTGTACATCATCGACTTCGGGCTGGCCAAGAAGTACCGGG
 ATGCACGCACCCACCAGCACATCCCTATCGTGAGAACAAGAACCTCACGGGACGGCGC
 GGTACGCCTCCATCAACACGCACCTTGAATTGAACAATCCCGAAGAGATGACTTGGAGT
 CTCTGGGCTACGTGCTAATGTACTTCAACCTGGGCTCTCTCCCCTGGCAGGGGCTGAAGG
 CTGCCACCAAGAGACAGAAATACGAAAGGATTAGCGAGAAGAAAATGTCCACCCCATCG
 AAGTGTGTGTAAGGGTACCCTTCCGAATTTGCCACATACCTGAATTTCTGCCGTTCTCT
 TGCGTTTTGACGACAAGCCTGACTACTCGTACCTGCGGCAGCTTTTCCGGAATCTGTTCC
 ATGCCAGGGCTTCTCTATGACTACGTGTTGACTGGAACATGCTCAAATTTGGTGCCA
 GCCGGGCGCCGATGACCCGAGCGGGAGCGCAGGGACCGAGAGGAGCGGCTGAGACACT
 CGCGGAACCCGGCTACCCGCGGCTCCCTTCCACAGCCTCCGGCCGCTGCGGGGGACGC
 AGGAAGTGGCTCCCCCACACCCTCACCCCTACCTCACACACGGCTAACACCTCCCCC
 GGCTGTCTCCGGCATGGAGAGAGCGGAAAGTGAGTATGCGGCTGCACCGCGGGGCC
 CCGTCAACATCTCCTCGTCCGACCTCACAGGCCGACAAGATACCTCTCGCATGTCCACCT
 CACAGATTCCTGGTGGGTGGCTTCCAGTGGTCTTCACTGTGCTGCACCGATGAGAAC
 TCTCCTATTGCTGTGAAGGGCAGACAATGCATGGCTGATCTACTCTGTTACCAATGGCT
 TTAGTAGTGACACGTCCCCGGTCTAGGATCGAAATGTTAACCCGGGAGCTCTCCAGGC
 CACTCACCCAGCAGCTCGTGGGGAAACATACTAACCGGACAGACTCCAAGAGCTGCC
 ACCGCTGGGGCTGCACTGCGGCCCCACGTGAACTCGGTTGTAACGGGGCTGGGAAGAA
 AAGCAGAGAGAGAATTGCAGAGAATCAGACTCCTTTTCCAGGGCCTCAGCTCCCTCCAGT
 GGTGGCCGCCCTGTACTCCCTGACGATTCCACTGTAACCTACCAATCTTCTACTTGGTTAA
 GACAGTTTTGTATCATTTTGTAAAAATATTGGCTTAAATCTGTGTAAGAAAAA
 AAAAAAATAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001893

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
Components:	<p>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).</p>
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_001893.3 , NP_001884.2
RefSeq Size:	2030 bp
RefSeq ORF:	1248 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:

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]

Transcript Variant: This variant (1) encodes the longer isoform (1).