

Specifications:

Gene:	<i>hCSNK1A1</i>
Accession:	NP_001883.4
Insert size:	1027bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

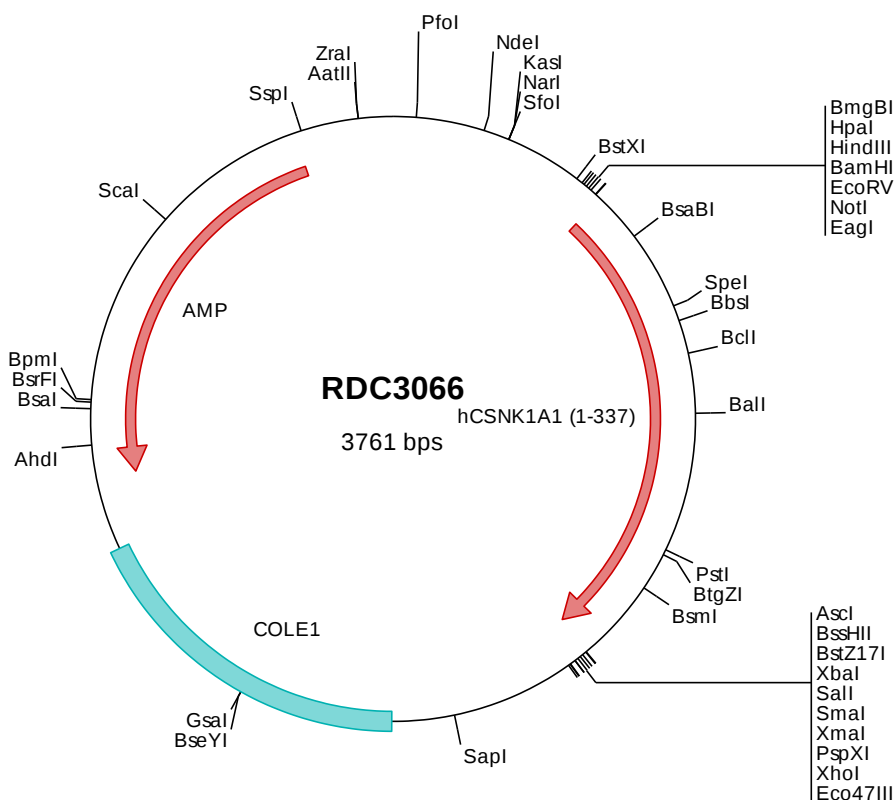
hCasein Kinase 1α cDNA Plasmid

CSNK1A1 casein kinase 1 alpha 1
[*Homo sapiens* (human)]

Also known as: CK1; CK1a; CK1α;
HLCDGP1; PRO2975; HEL-S-77p

Summary:

CSNK1A1 is a casein kinase. It belongs to a group of serine/threonine protein kinases that are present in all eukaryotic organisms. Casein kinases act as monomeric constitutively active enzymes that phosphorylate key regulatory proteins involved in the control of cell differentiation, proliferation, chromosome segregation, and circadian rhythms. CSNK1A1 is speculated to play a role in mammalian cell cycle progression, spindle dynamics, and chromosome segregation.



> RDC3066 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcacc atggcgagta gcagcggcto caaggctgaa ttcattgtcg gagggaaata
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701  actacaatgt actagtcacg gatcttctgg gacctagcct cgaagacctc ttcaatttct gttcaagaag gttcacaatg aaaactgtac ttatgttagc
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901  aataagttat tccttattga ttttggtttg gccaaaaagt acagagacaa caggacaagg caacacatac catacagaga agataaaaa ctcactggca
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3601 ttattgtctc atgagcggat acatatattga atgtatttga aaaaataaac aaatagggtt tcgcgcgaca tttcccgcaa aagtgccacc tgacgtctaa
3701 gaaaccatta ttatcatgac attaacctat aaaaataggc gtatcacgag gccctttcgt c

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> RDC3066 Translated Insert Sequence

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201  rddmeslgyv lmyfnrtslp wqglkaatkk qkyekisekk mstpvevlck gfpaefamyl nycrglrfee apdymylrql frilfrtlnh qdytdfdwtm
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