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Product datasheet for RC229721

CINP (NM_001177611) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CINP (NM_001177611) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CINP
Synonyms:	MGC849
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC229721 representing NM_001177611
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACGGGACGATATACGCAAATGAGTGTCAGCAGATCCGACATCCAAATTCAAAGACTCTTGGAACTG
TAACGCCCAGAAAACCTGTCTTATCTGTCAGTGCAAGAAAAATTAAGGACAATGCGGCTGATTGGCACAA
TTTAATCCTGAAGTGGGAAACCCTCAATGATGCAGGTTTTACCACTGCAAATAATATTGCCAACTTGAAA
ATCAGTTTATTGAATAAAGACAAGATAGAACTAGACAGCAGCAGCCCAGCCTCGAAGGAAAATGAAGAAA
AGGTGTGTCTGGAATATAACGAGGAACTGGAGAAGCTGTGTGAGGAACTGCAGGCCACCTTGGATGGGTT
GACCAAAATACAGGTGAAAATGGAAAAGCTGTCTTCAACTACCAAGGGAATTTGTGAACTAGAAAACTAC
CATTATGGGGAGGAGAGTAAACGACCCCCTCTGTTCCACACGTGGCCTACAACCCATTTCTATGAGGTTT
CGCATAAGCTCTTGGAGATGTACAGGAAGGAGCTGCTCCTGAAGCGCACGGTGGCCAAGGAGCTTGCCCA
CACCGGGGATCCCGACCTCACCCTGAGCTACCTGTCCATGTGGCTGCACCAGCCCTATGTGGAGAGCGAC
AGCAGGCTGCATCTGGAGAGCATGCTGCTGGAGACAGGCCACCGAGCTCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

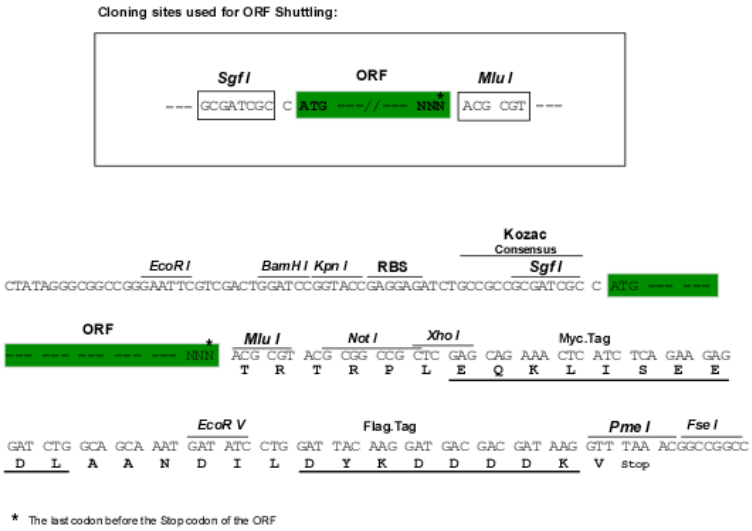
>RC229721 representing NM_001177611
Red=Cloning site Green=Tags(s)

MNGTIYANECQQIRHPNSKTLGTVTPRKPVLSVSARKIKDNAADWHNLILKWETLNDAGFTTANNIANLK
ISLLNKDKIELDSSSPASKENEEKVCLEYNEELEKLCEELQATLDGLTKIQVKMEKLSSTTKGICELENY
HYGEESKRPPLFHTWPTTHFYEVSHKLLEMYRKELLLKRTVAKELAHTGDPDLTLSYLSMWLHQPYVESD
SRLHLESMLLETGHRAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177611

ORF Size: 681 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_001177611.1, NP_001171082.1

RefSeq ORF: 683 bp

Locus ID: 51550

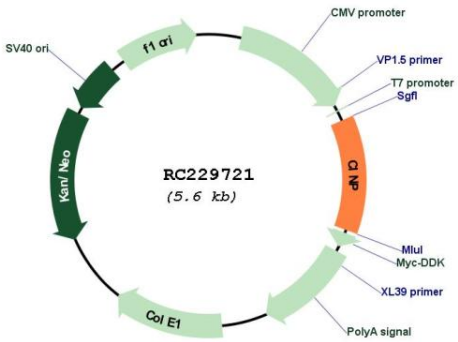
Cytogenetics: 14q32.31

Protein Families: Druggable Genome

MW: 26.5 kDa

Gene Summary: The protein encoded by this gene is reported to be a component of the DNA replication complex as well as a genome-maintenance protein. It may interact with proteins important for replication initiation and has been shown to bind chromatin at the G1 phase of the cell cycle and dissociate from chromatin with replication initiation. It may also serve to regulate checkpoint signaling as part of the DNA damage response. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RC229721