

Product datasheet for **RC223894**

CCDC14 (NM_022757) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CCDC14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC223894 representing NM_022757
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCGCGCATTCGGCGGGATCCTTTCCGGAAGCGGAAGCTCGGCGGGCGGGCCAAGAAGTCCGGG
AGCCACCGCGGTTAATTCTTTTACCGTGAGGCTTCACTTCCCTCGGTCTGGGCTTCTCTGAGCGGCG
AGAGATGGTCAGGTCGAGCTCGACCGGGCCAGGTGTTATCTTCAGGAAGGCACACTGGACCTGCTAAA
TTAACAAATGGAAGAAAGCGACCTATTTAAGAAAAATACCACGTTTTAATGCAGATTCTGGCTATTCCA
TCCATTCTGATTGAGAAAGTCAGGCTGAACTGTACACGGGCTTGATGGTTGTGCTTCTTTGAGGGA
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CAGAAATGGCCTTGCGGCATTAGATGCCAACATAGCTAGACTCCAGAAAGCTTTAAGGACTGGTCTTCTG
GAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223894 representing NM_022757

Red=Cloning site Green=Tags(s)

MKRGIRRDPFRRKRLGGRAKKVREPTAVNSFYREASLPSVWASLRRREMVRSGARPGQVLSSGRHTGPAK
 LTNGKKATYLRKIPRFNADSGYSIHSDSESQAETVHGLDGCASLLRDILRNEDSASSDNKKQIPNEASAR
 SERDTSDEQNWSLQDHYRMYSPIIYQALCEHVQTQMSLMNDLTSKNIPNGIPAVPCHAPSHSESQATPH
 SSYGLCTSTPVWSLQRPCCPKVHSEVQTDGNSQFASQGKTVSATCTDVLNRSFNTSPGVPCSLPKTDIS
 AIPTLQQLGLVNGILPQQGIHKETDLLKCIQTYLSLFRSHGKETHLDSQTHRSPTQSQPAFLATNEEKCA
 REQIREATSERKDLNIHVRDTKTVKDVQKAKNVNKTAEKVRIIKYLLGELKALVAEQEDSEIQRLLITEME
 ACISVLPVSGNTDIQVEIALAMQPLRSENAQLRRQLRLNQQLREQQKTQKPSGAVDCNLEL FSLQSLN
 MSLQNQLEESLKSQELLQSKNEELLKVIENQKDENKKFSSIFKDKDQTILENKQYDIEITRIKIELEEA
 LVNVKSSQFKLETAKENQILGITLRQRDAEVTRLRELTRTLQTSMAKLLSDLVDSARCKPGNNLTKSL
 LNIHDKQLQHDPAPAHTSIMSYLNKLETNYSFTHSEPLSTIKNEETIEPDKTYENVLSSRGPQNSNTRGM
 EEASAPGIIISALSKQDSDEGSETMALIEDEHNLNTIYIPFARSTPEKKSPLSKRLSPQPQIRAATTQLV
 SNSGLAVSGKENKLCTPVICSSSTKEAEDAPEKLSRASDMKDTQLLKKIKEAIGKIPAATKEPEEQTACH
 GPSGCLSNSLQVGNTVCDGVSFTSDLMSDWSISSFSTFTSRDEQDFRGLAALDANIARLQKSLRTGLL
 EK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8045_g03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_022757

ORF Size: 2736 bp

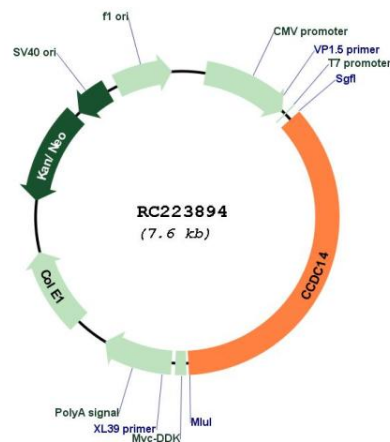
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_022757.4, NP_073594.4</u>
RefSeq Size:	4187 bp
RefSeq ORF:	2595 bp
Locus ID:	64770
UniProt ID:	<u>Q49A88</u>
Cytogenetics:	3q21.1
MW:	101.3 kDa
Gene Summary:	Negatively regulates centriole duplication. Negatively regulates CEP63 and CDK2 centrosomal localization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC223894