

Product datasheet for **RC224798**

CEP63 (NM_001042384) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CEP63
Synonyms:	SCKL6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC224798 representing NM_001042384
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAGGCTTTGTTAGAAGGAATACAAAATCGAGGGCATGGTGGGGGATTTTGTACATCTTGTGAAGCAG
 AACTACAGGAGCTCATGAAACAGATTGACATAATGGTGGCTCATAAAAAATCTGAATGGGAAGGACGTAC
 ACATGCTCTAGAACTTGCTTGAAATCCGTGAACAGGAACCTAAGAGTCTTAGGAGTCAGTTGGATGTG
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 TGGAAATATAAGCAGGAGTTGAAGAACTACATGAAGAATTATGCATACTGAAGAGAAGCTATGAAAGCT
 TCAGAAAAAGCAAAATGAGGGAATTCAGAGGAAATACCAAAATCACAGGGAAGATCGGTCTGAAATTGAG
 AGGTTAACTGCAAAAATAGAGGAATTCGTCAGAAATCGCTGGACTGGGAGAAGCAACGCTTGATTTATC
 AGCAACAGGTATCTTCACTGGAGGCACAAAGGAAGGCTCTGGCTGAACAATCAGAGATAATTCAGGCTCA
 GCTTGTCAATCGGAAACAGAAATTAGAGTCTGTGGAATTTCTAGCCAATCAGAAATCAACACTTAAGC
 AGTAACTGGAGCGGGCTAATGACACTATCTGTGCAATGAGTTGAAATAGAGCGCCTCACCATGAGGG
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 GAACAGATTTTACAGGGTGAACAAAGTTACAGTTCTGCACTAGAAGGAATGAAGATGGAATCTCCCATC
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 GCGACTCAGAGCAGAGATGCAAAAGGCAGAGCAAGCAGTAGAGCATAGGAGATTTGGATCAGCTG
 GAGTCACTCAAATTAGAAAATCGTCATCTTTCTGAAATGGTGATGAAATTGGAATTGGGTTTACATGAGA
 GATGGGGTTTACCATGTTGTCAGTCTGGTTTGAATTCGGGATTCAAGCAATCCGCCAGCCTCAGCG
 TCCCAAAGTGCTGAATTACAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224798 representing NM_001042384
 Red=Cloning site Green=Tags(s)

MEALLEGIQNRHGGGFLTSCAELQELMKQIDIMVAHKKSEWEGRTHALETCLKIREQELKSLRSQLDV
 THKEVGMLHQVVEEHEIKQEMTMEYKQELKKLHEELCILKRSYEKLQKKQREFRGNTKNHREDRSEIE
 RLTAKEEFQKSLDWEKQRLIYQQVSSLEAQRKALAEQSEIIQAQLVNRKQKLESVELSSQSEIQHLS
 SKLERANDTICANELEIERLTMRVNDLVGTSMTVLQEQQQKEEKLRESEKLLLEALQEEKRELKAALQSQE
 NLIHEARIQKEKLQEKVKATNTQHAVEAISLESVSATCKQLSQELMEKYEELKRMEAHNNEYKAEIKKLK
 EQILQGEQSYSSALEGMKMEISHLTQELHQRDITIASTKGSSDMEKRLRAEMQKAEDKAVEHKEILDQL
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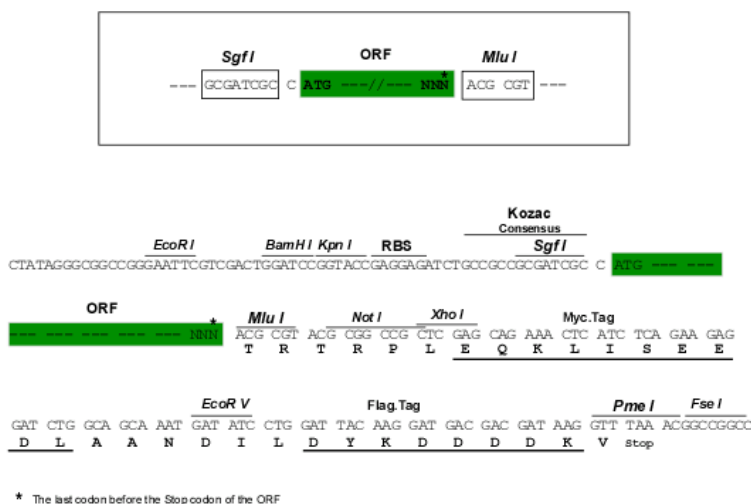
TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8062_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001042384

ORF Size: 1425 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 0.22µm filter is required.

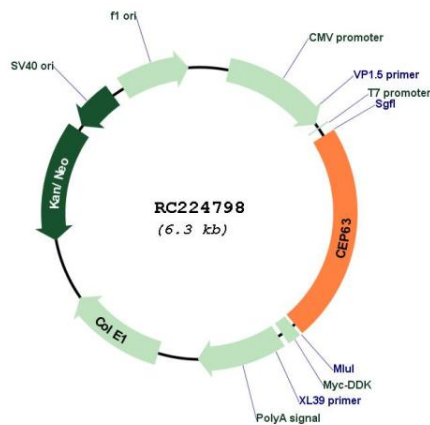
RefSeq: [NM_001042384.2](#)

RefSeq Size: 1906 bp

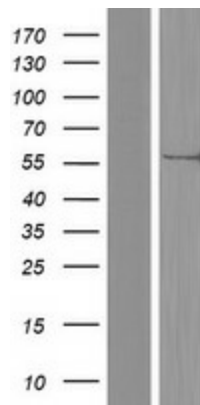
RefSeq ORF: 1428 bp
Locus ID: 80254
UniProt ID: [Q96MT8](#)
Cytogenetics: 3q22.2
MW: 55.4 kDa

Gene Summary: This gene encodes a protein with six coiled-coil domains. The protein is localized to the centrosome, a non-membraneous organelle that functions as the major microtubule-organizing center in animal cells. Several alternatively spliced transcript variants have been found, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC224798



Western blot validation of overexpression lysate (Cat# [LY420863]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224798 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).