

Product datasheet for **RC209810**

C13orf15 (RGCC) (NM_014059) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C13orf15 (RGCC) (NM_014059) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C13orf15
Synonyms:	bA157L14.2; C13orf15; RGC-32; RGC32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209810 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAAGCAGCCCCGCGCGCAGGGCAGCCCCGCGGCCGCGCGCCGAGCCCCGGCCCTGGACTCGGCGG
 CCGCGGAGGACCTGTGCGACGCTGTGCGAGTTTGACGCGGTGCTGGCCGACTTCGCGTCGCCCTTCCA
 CGAGCGCCACTTCCACTACGAGGAGCACCTGGAGCGCATGAAGCGGCGCAGCAGCGCCAGTGTACGCGAC
 AGCAGCGGCTTCAGCGACTCGGAGAGTGCAGATTCACTTTATAGGAACAGCTTCAGCTTCAGTGATGAAA
 AACTGAATTCTCAACAGACTCTACCCAGCTCTCTCTGCCACTGTCACTCCTCAGAAAGCTAAATT
 AGGAGACACAAAAGAGCTAGAAGCCTTCATTGCTGATCTTGACAAACTTTAGCAAGTATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC209810 protein sequence Red=Cloning site Green=Tags(s)
	MKQPAAQGSPAAAAAAPALDSAAEEDLSALCEFDVLAADFASPFHERHFHYEEHLERMKRRSSASVSD SSGFSDSESADSLYRNSFSFSDKLNSTPDSTPALLSATVTPQAKLGDKELEAFIADLDKTLASM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk6234_a01.zip
Restriction Sites:	SgfI-MluI


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Cloning Scheme:


ACCN: NM_014059

ORF Size: 411 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: [NM_014059.2](#), [NP_054778.2](#)

RefSeq Size: 1126 bp

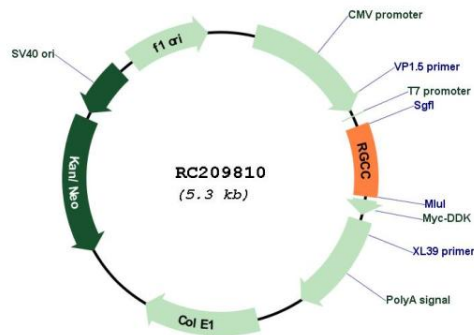
RefSeq ORF: 414 bp

Locus ID: 28984
 UniProt ID: [Q9H4X1](#)
 Cytogenetics: 13q14.11

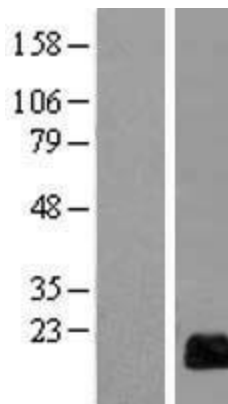
MW: 14.6 kDa

Gene Summary: This gene is thought to regulate cell cycle progression. It is induced by p53 in response to DNA damage, or by sublytic levels of complement system proteins that result in activation of the cell cycle. The encoded protein localizes to the cytoplasm during interphase and to centrosomes during mitosis. The protein forms a complex with polo-like kinase 1. The protein also translocates to the nucleus in response to treatment with complement system proteins, and can associate with and increase the kinase activity of cell division cycle 2 protein. In different assays and cell types, overexpression of this protein has been shown to activate or suppress cell cycle progression. [provided by RefSeq, Jul 2008]

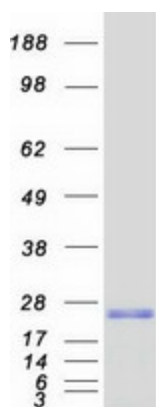
Product images:



Circular map for RC209810



Western blot validation of overexpression lysate (Cat# [LY415502]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209810 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RGCC protein (Cat# [TP309810]). The protein was produced from HEK293T cells transfected with RGCC cDNA clone (Cat# RC209810) using MegaTran 2.0 (Cat# [TT210002]).