

OriGene Technologies, Inc.

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Product datasheet for RC202804

Centrin 3 (CETN3) (NM_004365) Human Tagged ORF Clone

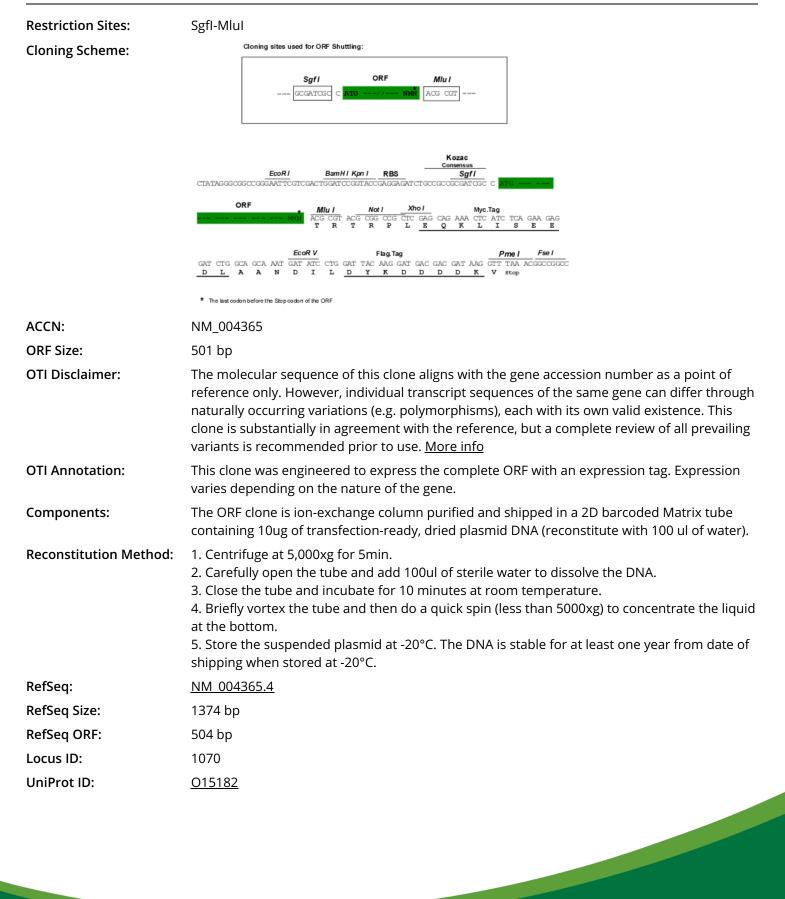
Product data:

Product Type:	Expression Plasmids
Product Name:	Centrin 3 (CETN3) (NM_004365) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Centrin 3
Synonyms:	CDC31; CEN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC202804 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GC <mark>CGCGATCGC</mark> C
	ATGAGTTTAGCTCTGAGAAGTGAGCTTGTAGTGGACAAAACAAAGAGGGAAAAAAAGAAGAGAGAACTGTCTG AGGAACAGAAACAAGAAATTAAAGATGCTTTTGAACTATTTGATACAGACAAAGATGAAGCAATAGATTA TCATGAATTAAAGGTGGCAATGAGAGCCTTGGGGTTTGATGTAAAAAAAGCTGATGTACTGAAGATTCTT AAAGATTATGACAGAGAAGCCACAGGGAAAATCACCTTTGAAGATTTTAATGAAGTTGTGACAGACTGGA TATTGGAAAGAGATCCCCATGAAGAAATACTCAAGGCATTTAAACTATTTGATGATGATGATGATCAGGTAA AATAAGCTTGAGGAATTTGCGACGTGTTGCTAGAGAATTGGGTGAAAACATGAGTGATGAAGAACTTCGA GCTATGATAGAAGAATTTGACAAAGATGGTGATGGAGAAATAAACCAAGAGGAGTTCATTGCTATTATGA CTGGTGACATT
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC202804 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MSLALRSELVVDKTKRKKRRELSEEQKQEIKDAFELFDTDKDEAIDYHELKVAMRALGFDVKKADVLKIL KDYDREATGKITFEDFNEVVTDWILERDPHEEILKAFKLFDDDDSGKISLRNLRRVARELGENMSDEELR AMIEEFDKDGDGEINQEEFIAIMTGDI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6415_b12.zip



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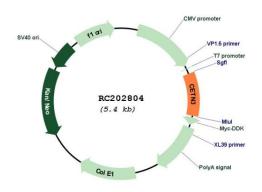
Centrin 3 (CETN3) (NM_004365) Human Tagged ORF Clone – RC202804



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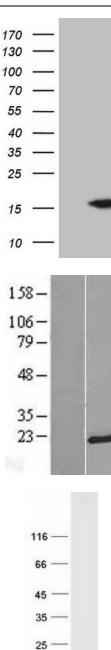
	Centrin 3 (CETN3) (NM_004365) Human Tagged ORF Clone – RC202804
Cytogenetics:	5q14.3
Domains:	EFh
Protein Families:	Druggable Genome
MW:	19.6 kDa
Gene Summary:	The protein encoded by this gene contains four EF-hand calcium binding domains, and is a member of the centrin protein family. Centrins are evolutionarily conserved proteins similar to the CDC31 protein of S. cerevisiae. Yeast CDC31 is located at the centrosome of interphase and mitotic cells, where it plays a fundamental role in centrosome duplication and separation. Multiple forms of the proteins similar to the yeast centrin have been identified in human and other mammalian cells, some of which have been shown to be associated with centrosome fractions. This protein appears to be one of the most abundant centrins associated with centrosome, which suggests a similar function to its yeast counterpart. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RC202804

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18 14 HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CETN3 (Cat# RC202804, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CETN3(Cat# [TA805890]). Positive lysates [LY418039] (100ug) and [LC418039] (20ug) can be purchased separately from OriGene.

Western blot validation of overexpression lysate (Cat# [LY418039]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202804 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified CETN3 protein (Cat# [TP302804]). The protein was produced from HEK293T cells transfected with CETN3 cDNA clone (Cat# RC202804) using MegaTran 2.0 (Cat# [TT210002]).

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