

Product datasheet for **RC202804L4V**

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

Product data:

Product Type:	Lentiviral Particles
Product Name:	Centrin 3 (CETN3) (NM_004365) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Centrin 3
Synonyms:	CDC31; CEN3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004365
ORF Size:	501 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202804).
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.
RefSeq:	NM_004365.2
RefSeq Size:	1374 bp
RefSeq ORF:	504 bp
Locus ID:	1070
UniProt ID:	O15182
Cytogenetics:	5q14.3
Domains:	EFh
Protein Families:	Druggable Genome



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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]