

Product datasheet for **RC212366L2V**

SMC4 (NM_001002800) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SMC4 (NM_001002800) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SMC4
Synonyms:	CAP-C; CAPC; SMC-4; SMC4L1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001002800
ORF Size:	3864 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212366).
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_001002800.1
RefSeq Size:	5142 bp
RefSeq ORF:	3867 bp
Locus ID:	10051
UniProt ID:	Q9NTJ3
Cytogenetics:	3q25.33
MW:	147 kDa


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Gene Summary:

This gene belongs to the 'structural maintenance of chromosomes' (SMC) gene family. Members of this gene family play a role in two changes in chromosome structure during mitotic segregation of chromosomes- chromosome condensation and sister chromatid cohesion. The protein encoded by this gene is likely a subunit of the 13S condensin complex, which is involved in chromosome condensation. A pseudogene related to this gene is located on chromosome 2. [provided by RefSeq, Jun 2016]