

Product datasheet for **RC217661L4V**

SMC2 (NM_006444) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SMC2 (NM_006444) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SMC2
Synonyms:	CAP-E; CAPE; SMC-2; SMC2L1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006444
ORF Size:	3591 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217661).
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_006444.2
RefSeq Size:	5983 bp
RefSeq ORF:	3594 bp
Locus ID:	10592
UniProt ID:	O95347
Cytogenetics:	9q31.1
Domains:	SMC_N, SMC_C
Protein Families:	Druggable Genome



[View online »](#)

MW: 135.7 kDa

Gene Summary: Central component of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases.[UniProtKB/Swiss-Prot Function]