

Product datasheet for **RC221017L4V**

SA2 (STAG2) (NM_001042751) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SA2 (STAG2) (NM_001042751) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SA2
Synonyms:	bA517O1.1; HPE13; MKMS; NEDXCF; SA-2; SA2; SCC3B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001042751
ORF Size:	3693 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221017).
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_001042751.1
RefSeq Size:	6075 bp
RefSeq ORF:	3696 bp
Locus ID:	10735
UniProt ID:	Q8N3U4
Cytogenetics:	Xq25
Protein Pathways:	Cell cycle
MW:	141.3 kDa



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Gene Summary:

The protein encoded by this gene is a subunit of the cohesin complex, which regulates the separation of sister chromatids during cell division. Targeted inactivation of this gene results in chromatid cohesion defects and aneuploidy, suggesting that genetic disruption of cohesin is a cause of aneuploidy in human cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]