

Product datasheet for **RC227950L2V**

SAE1 (NM_016402) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SAE1 (NM_016402) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SAE1
Synonyms:	AOS1; FLJ3091; HSPC140; SUA1; UBLE1A
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_016402
ORF Size:	1038 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227950).
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_016402.1 , NP_057486.1
RefSeq Size:	2538 bp
RefSeq ORF:	1040 bp
Locus ID:	10055
Cytogenetics:	19q13.32
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	38.4 kDa



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Gene Summary:

Posttranslational modification of proteins by the addition of the small protein SUMO (see SUMO1; MIM 601912), or sumoylation, regulates protein structure and intracellular localization. SAE1 and UBA2 (MIM 613295) form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins (Okuma et al., 1999 [PubMed 9920803]). [supplied by OMIM, Mar 2010]