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Product datasheet for RC200633L3V

Sumo 1 (SUMO1) (NM_003352) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sumo 1 (SUMO1) (NM_003352) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Sumo 1
Synonyms:	DAP1; GMP1; OFC10; PIC1; SENP2; SMT3; SMT3C; SMT3H3; UBL1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003352
ORF Size:	303 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200633).`
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_003352.4
RefSeq Size:	1527 bp
RefSeq ORF:	306 bp
Locus ID:	7341
UniProt ID:	P63165
Cytogenetics:	2q33.1
Domains:	UBQ
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors

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MW: 11.6 kDa

Gene Summary: This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Jul 2008]