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Product datasheet for RC203275L2V

SAT1 (NM_002970) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SAT1 (NM_002970) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SAT1
Synonyms:	DC21; KFSD; KFSDX; SAT; SSAT; SSAT-1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002970
ORF Size:	513 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203275).
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_002970.1
RefSeq Size:	1085 bp
RefSeq ORF:	516 bp
Locus ID:	6303
UniProt ID:	P21673
Cytogenetics:	Xp22.11
Domains:	Acetyltransf
Protein Families:	Druggable Genome

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Protein Pathways: Arginine and proline metabolism, Metabolic pathways

MW: 20 kDa

Gene Summary: The protein encoded by this gene belongs to the acetyltransferase family, and is a rate-limiting enzyme in the catabolic pathway of polyamine metabolism. It catalyzes the acetylation of spermidine and spermine, and is involved in the regulation of the intracellular concentration of polyamines and their transport out of cells. Defects in this gene are associated with keratosis follicularis spinulosa decalvans (KFSD). Alternatively spliced transcripts have been found for this gene.[provided by RefSeq, Sep 2009]