

Product datasheet for **RC221269L1V**

SMYD1 (NM_198274) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SMYD1 (NM_198274) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SMYD1
Synonyms:	BOP; KMT3D; ZMYND18; ZMYND22
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_198274
ORF Size:	1470 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221269).
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_198274.2
RefSeq Size:	4441 bp
RefSeq ORF:	1473 bp
Locus ID:	150572
UniProt ID:	Q8NB12
Cytogenetics:	2p11.2
Protein Families:	Druggable Genome
MW:	56.6 kDa


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Gene Summary:

Methylates histone H3 at 'Lys-4' (H3K4me), seems able to perform both mono-, di-, and trimethylation. Acts as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis.[UniProtKB/Swiss-Prot Function]