

Product datasheet for **RC208096L4V**

SMARCAL1 (NM_014140) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SMARCAL1 (NM_014140) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SMARCAL1
Synonyms:	HARP; HHARP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014140
ORF Size:	2862 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208096).
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_014140.2
RefSeq Size:	3281 bp
RefSeq ORF:	2865 bp
Locus ID:	50485
UniProt ID:	Q9NZC9
Cytogenetics:	2q35
Domains:	SNF2_N, DEAD, helicase_C
Protein Families:	Druggable Genome



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MW: 106.4 kDa

Gene Summary: The protein encoded by this gene is a member of the SWI/SNF family of proteins. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein shows sequence similarity to the E. coli RNA polymerase-binding protein HepA. Mutations in this gene are a cause of Schimke immunoosseous dysplasia (SIOD), an autosomal recessive disorder with the diagnostic features of spondyloepiphyseal dysplasia, renal dysfunction, and T-cell immunodeficiency. [provided by RefSeq, Jul 2008]