

Product datasheet for **RC219173L4V**

SARDH (NM_007101) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SARDH (NM_007101) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SARDH
Synonyms:	BPR-2; DMGDHL1; SAR; SARD; SDH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007101
ORF Size:	2754 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219173).
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_007101.2
RefSeq Size:	3363 bp
RefSeq ORF:	2757 bp
Locus ID:	1757
UniProt ID:	Q9UL12
Cytogenetics:	9q34.2
Protein Pathways:	Glycine, serine and threonine metabolism, Metabolic pathways
MW:	101.04 kDa



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Gene Summary:

This gene encodes an enzyme localized to the mitochondrial matrix which catalyzes the oxidative demethylation of sarcosine. This enzyme is distinct from another mitochondrial matrix enzyme, dimethylglycine dehydrogenase, which catalyzes a reaction resulting in the formation of sarcosine. Mutations in this gene are associated with sarcosinemia. Alternatively spliced transcript variants have been described. [provided by RefSeq, Oct 2008]