

Product datasheet for **MR200347L4V**

Sdhaf4 (NM_026503) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sdhaf4 (NM_026503) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sdhaf4
Synonyms:	1110058L19Rik; 1700001E18Rik; C6orf57
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_026503
ORF Size:	315 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200347).
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_026503.1
RefSeq Size:	675 bp
RefSeq ORF:	315 bp
Locus ID:	68002
UniProt ID:	Q8BTE0
Cytogenetics:	1 A5



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Gene Summary:

Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol (PubMed:24954416). Binds to the flavoprotein subunit Sdha in its FAD-bound form, blocking the generation of excess reactive oxygen species (ROS) and facilitating its assembly with the iron-sulfur protein subunit Sdhb into the SDH catalytic dimer (By similarity). [UniProtKB/Swiss-Prot Function]