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Product datasheet for RC200349L2V

SDHA (NM_004168) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SDHA (NM_004168) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SDHA
Synonyms:	CMD1GG; FP; MC2DN1; NDAXOA; PGL5; SDH1; SDH2; SDHF
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004168
ORF Size:	1992 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200349).
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_004168.1
RefSeq Size:	2803 bp
RefSeq ORF:	1995 bp
Locus ID:	6389
UniProt ID:	P31040
Cytogenetics:	5p15.33
Domains:	FAD_binding_2, succ_DH_flav_C
Protein Families:	Druggable Genome

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Protein Pathways:	Alzheimer's disease, Citrate cycle (TCA cycle), Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	72.7 kDa
Gene Summary:	This gene encodes a major catalytic subunit of succinate-ubiquinone oxidoreductase, a complex of the mitochondrial respiratory chain. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. Mutations in this gene have been associated with a form of mitochondrial respiratory chain deficiency known as Leigh Syndrome. A pseudogene has been identified on chromosome 3q29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014]