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Product datasheet for RC209066L2V

SUOX (NM_000456) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SUOX (NM_000456) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SUOX
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000456
ORF Size:	1635 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209066).
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_000456.2, NP_000447.2
RefSeq Size:	2564 bp
RefSeq ORF:	1638 bp
Locus ID:	6821
UniProt ID:	P51687
Cytogenetics:	12q13.2
Domains:	oxidored_molyb, heme_1, Mo-co_dimer
Protein Families:	Druggable Genome
Protein Pathways:	Sulfur metabolism

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MW: 60.3 kDa

Gene Summary: Sulfite oxidase is a homodimeric protein localized to the intermembrane space of mitochondria. Each subunit contains a heme domain and a molybdopterin-binding domain. The enzyme catalyzes the oxidation of sulfite to sulfate, the final reaction in the oxidative degradation of the sulfur amino acids cysteine and methionine. Sulfite oxidase deficiency results in neurological abnormalities which are often fatal at an early age. Alternative splicing results in multiple transcript variants encoding identical proteins. [provided by RefSeq, Jul 2008]