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Product datasheet for RC209091L4V

SLC25A4 (NM_001151) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC25A4 (NM_001151) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC25A4
Synonyms:	AAC1; ANT; ANT 1; ANT1; MTDPS12; MTDPS12A; PEO2; PEO3; PEOA2; T1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001151
ORF Size:	894 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209091).
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_001151.2
RefSeq Size:	4420 bp
RefSeq ORF:	897 bp
Locus ID:	291
UniProt ID:	P12235
Cytogenetics:	4q35.1
Domains:	mito_carr
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Calcium signaling pathway, Huntington's disease, Parkinson's disease

MW: 33.1 kDa

Gene Summary: This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Mutations in this gene have been shown to result in autosomal dominant progressive external opthalmoplegia and familial hypertrophic cardiomyopathy. [provided by RefSeq, Jun 2013]