

Product datasheet for RC209091L2

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

SLC25A4 (NM_001151) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SLC25A4 (NM_001151) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: SLC25A4

Synonyms: AAC1; ANT1; ANT1; MTDPS12; MTDPS12A; PEO2; PEO3; PEOA2; T1

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC209091).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001151

ORF Size: 894 bp





SLC25A4 (NM_001151) Human Tagged Lenti ORF Clone - RC209091L2

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001151.2</u>

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

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.

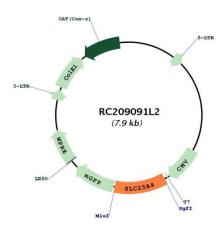
The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Mutations in

this gene have been shown to result in autosomal dominant progressive external

opthalmoplegia and familial hypertrophic cardiomyopathy. [provided by RefSeq, Jun 2013]



Product images:



Circular map for RC209091L2