

Product datasheet for RC209065L1

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COX8A (NM_004074) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: COX8A (NM_004074) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: COX8A

Synonyms: COX; COX8; COX8-2; COX8L; MC4DN15; VIII; VIII-L

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC209065).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_004074

ORF Size: 207 bp





COX8A (NM_004074) Human Tagged Lenti ORF Clone - RC209065L1

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 004074.2</u>

 RefSeq Size:
 521 bp

 RefSeq ORF:
 210 bp

 Locus ID:
 1351

 UniProt ID:
 P10176

 Cytogenetics:
 11q13.1

Domains: COX8

Protein Families: Transmembrane

Protein Pathways: Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways,

Oxidative phosphorylation, Parkinson's disease

MW: 7.4 kDa

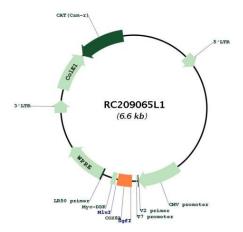
Gene Summary: The protein encoded by this gene is the terminal enzyme of the respiratory chain, coupling

the transfer of electrons from cytochrome c to molecular oxygen, with the concomitant production of a proton electrochemical gradient across the inner mitochondrial membrane. In addition to 3 mitochondrially encoded subunits, which perform the catalytic function, the eukaryotic enzyme contains nuclear-encoded smaller subunits, ranging in number from 4 in some organisms to 10 in mammals. It has been proposed that nuclear-encoded subunits may be involved in the modulation of the catalytic function. This gene encodes one of the nuclear-

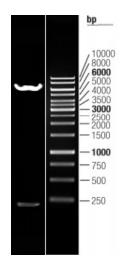
encoded subunits. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC209065L1



Double digestion of RC209065L1 using Sgfl and Mlul