

## Product datasheet for **RC209065L3V**

### COX8A (NM\_004074) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	COX8A (NM_004074) Human Tagged ORF Clone Lentiviral Particle
Symbol:	COX8A
Synonyms:	COX; COX8; COX8-2; COX8L; MC4DN15; VIII; VIII-L
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004074
ORF Size:	207 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209065).
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. <a href="#">More info</a>
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:	<a href="#">NM_004074.2</a>
RefSeq Size:	521 bp
RefSeq ORF:	210 bp
Locus ID:	1351
UniProt ID:	<a href="#">P10176</a>
Cytogenetics:	11q13.1
Domains:	COX8
Protein Families:	Transmembrane



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**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]