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Product datasheet for RC200957L4V

Cytochrome C Oxidase subunit VIb (COX6B1) (NM_001863) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cytochrome C Oxidase subunit VIb (COX6B1) (NM_001863) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cytochrome C Oxidase subunit VIb
Synonyms:	COX6B; COXG; COXVIb1; MC4DN7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001863
ORF Size:	258 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200957).`
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_001863.3
RefSeq Size:	590 bp
RefSeq ORF:	261 bp
Locus ID:	1340
UniProt ID:	P14854
Cytogenetics:	19q13.12
Domains:	COX6B

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

MW: 10.2 kDa

Gene Summary: Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex. This nuclear gene encodes subunit VIb. Mutations in this gene are associated with severe infantile encephalomyopathy. Three pseudogenes COX6BP-1, COX6BP-2 and COX6BP-3 have been found on chromosomes 7, 17 and 22q13.1-13.2, respectively. [provided by RefSeq, Jan 2010]