

Product datasheet for **RC204033L4V**

coproporphyrinogen oxidase (CPOX) (NM_000097) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	coproporphyrinogen oxidase (CPOX) (NM_000097) Human Tagged ORF Clone Lentiviral Particle
Symbol:	coproporphyrinogen oxidase
Synonyms:	COX; CPO; CPX; HARPO; HCP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000097
ORF Size:	1362 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204033).
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_000097.5
RefSeq Size:	2728 bp
RefSeq ORF:	1365 bp
Locus ID:	1371
UniProt ID:	P36551
Cytogenetics:	3q11.2
Domains:	Coprogen_oxidas


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Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Porphyrin and chlorophyll metabolism
MW:	50.6 kDa
Gene Summary:	The protein encoded by this gene is the sixth enzyme of the heme biosynthetic pathway. The encoded enzyme is soluble and found in the intermembrane space of mitochondria. This enzyme catalyzes the stepwise oxidative decarboxylation of coproporphyrinogen III to protoporphyrinogen IX, a precursor of heme. Defects in this gene are a cause of hereditary coproporphyrria (HCP).[provided by RefSeq, Oct 2009]