

Product datasheet for **RC201788L4V**

PPOX (NM_000309) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PPOX (NM_000309) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PPOX
Synonyms:	PPO; V290M; VP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000309
ORF Size:	1431 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201788).
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_000309.2
RefSeq Size:	1716 bp
RefSeq ORF:	1434 bp
Locus ID:	5498
UniProt ID:	P50336
Cytogenetics:	1q23.3
Domains:	Amino_oxidase
Protein Families:	Druggable Genome



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Protein Pathways: Metabolic pathways, Porphyrin and chlorophyll metabolism

MW: 50.8 kDa

Gene Summary: This gene encodes the penultimate enzyme of heme biosynthesis, which catalyzes the 6-electron oxidation of protoporphyrinogen IX to form protoporphyrin IX. Mutations in this gene cause variegate porphyria, an autosomal dominant disorder of heme metabolism resulting from a deficiency in protoporphyrinogen oxidase, an enzyme located on the inner mitochondrial membrane. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]