

## Product datasheet for **RC202880L2V**

### PCBD1 (NM\_000281) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PCBD1 (NM_000281) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PCBD1
Synonyms:	DCOH; PCBD; PCD; PHS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000281
ORF Size:	312 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202880).
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_000281.2</a>
RefSeq Size:	1019 bp
RefSeq ORF:	315 bp
Locus ID:	5092
UniProt ID:	<a href="#">P61457</a>
Cytogenetics:	10q22.1
Domains:	Pterin_4a
Protein Families:	Druggable Genome



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**MW:** 12 kDa

**Gene Summary:** This gene encodes a member of the pterin-4-alpha-carbinolamine dehydratase family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The encoded protein functions as both a dehydratase involved in tetrahydrobiopterin biosynthesis, and as a cofactor for HNF1A-dependent transcription. A deficiency of this enzyme leads to hyperphenylalaninemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]