

Product datasheet for **SC333313**

PCBD1 (NM_001289797) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCBD1 (NM_001289797) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCBD1
Synonyms:	DCOH; PCBD; PCD; PHS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333313 representing NM_001289797. Blue=Insert sequence Red=Cloning site Green=Tag(s)

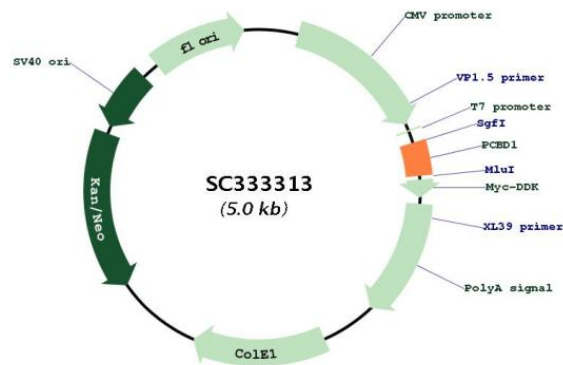
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GCTCGTTTAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAAGAGTGGCCCTGCAGGCTGAGAACTGGACCACCATCCTGAATGGTTTAACGTGTACAACAAG
GTCCACATCACGCTGAGCACCCATGAGTGTGCCGCCTTTCAGAACGGGACATAAACCTGCCAGCTTC
ATCGAACAAGTAGCAGTGTCCATGACATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001289797

Insert Size: 168 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001289797.1
RefSeq Size:	1165 bp
RefSeq ORF:	168 bp
Locus ID:	5092
UniProt ID:	P61457
Cytogenetics:	10q22.1
Protein Families:	Druggable Genome
MW:	6.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses a downstream start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1.</p>