

## Product datasheet for SC317230

### PCBD2 (NM\_032151) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PCBD2 (NM_032151) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCBD2
Synonyms:	DCOH2; DCOHM; PHS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317230 representing NM_032151. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGGCGGCGGTGCTCGGGCGCTCGGGCGACGCGCGCTTGTGGCGGCGCTGCGAGGCCAGAGCCTA  
 GGGCTAGCGGCCATGTCATCAGGTAACAGGTTGACTGCAGAGGAGAGGAACCAAGCTATACTTGAC  
 CTTAAAGCAGCAGGATGGTCGGAATTAAGTGAGAGAGATGCCATCTACAAAGAATTCTCCTTCCACAAT  
 TTTAATCAGGCATTTGGCTTTATGTCCGAGTTGCCCTACAAGCAGAGAAGATGAATCATCACCCAGAA  
 TGGTTCAATGTATACAACAGGTCCAGATAACTCTCACCTCACATGACTGTGGTGAAGTACCAAAAAA  
 GATGTGAAGCTGGCCAAGTTTATTGAAAAAGCAGCTGCTTCTGT**GTA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_032151
Insert Size:	393 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_032151.4</u>
<b>RefSeq Size:</b>	2395 bp
<b>RefSeq ORF:</b>	393 bp
<b>Locus ID:</b>	84105
<b>UniProt ID:</b>	<u>Q9H0N5</u>
<b>Cytogenetics:</b>	5q31.1
<b>Domains:</b>	Pterin_4a
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	14.4 kDa
<b>Gene Summary:</b>	Involved in tetrahydrobiopterin biosynthesis. Seems to both prevent the formation of 7-pterins and accelerate the formation of quinonoid-BH2 (By similarity).[UniProtKB/Swiss-Prot Function]