

Product datasheet for **SC106047**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032151, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCGGTGCTCGGGGCGCTCGGGGCGACGCGGCGCTTGTGGCGGCGCTGCGAGGCCAGAGCCTAG
GGCTAGCGGCCATGTCATCAGGTA CTACAGGTTGACTGCAGAGGAGAGGAACCAAGCTATACTTGACCT
TAAAGCAGCAGGATGGTCGGAATTAAGTGAGAGAGATGCCATCTACAAAGAATTCTCCTCCACAATTTT
AATCAGGCATTTGGCTTTATGTCCCGAGTTGCCCTACAAGCAGAGAAGATGAATCATCACCCAGAATGGT
TCAATGTATACAACAAGGTCCAGATAACTCTCACCTCACATGACTGTGGTGAAGTGAACCAAAAAAGATGT
GAAGCTGGCCAAGTTTATTGAAAAAGCAGCTGCTTCTGTGTGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032151 unedited <pre> NGGTTAGGATTTGTATCCGACTTCTATAGGCGGCCGCGCATTCCGGCACCAGGTTTTGCGC TTATCTAGCCTTGCTTTGGTCTCTTTAAGAGAACAAGGAATGAAAGATGGTTAGAATTT GTTGCCTTTCAGACTTTTCTACATCTCTGCTTAAGGTAAGGAGCCATAAGTTTGAGTTTG AGTAACTTGTACATTTTCTAGATATGAAATGTGTTCTCTTCATAGTCATCAGGTACTCAC AGGTTGACTGCAGAGGAGAGGAACCAAGCTATACTTGACCTTAAGCAGCAGGATGGTCG GAATTAAGTGAGAGAGATGCCATCTACAAGAATTCTCCTTCCACAATTTTAATCAGGTA ATTGTTATAAATTCTTGCTAGGGCTGTGGTCTATTTTAGTCACCTTAGGCCATAACACTT TCTGATTCTGCCAGTTGTCTGGTCCCATGTAGATCTAGGATTCAACTCTTCCCTTCTTTA AGAATTCAGTGATAGAGTGACATCCTTGTGACAGTTGCTACACCCACCTGGGTGGTGT TTAGCTCTGGGGGAAGAGGGTGGTTTGTGTTACTTGAAAAACAAATCTGAAACCACTAT TGCTTTGGTATGGTGTGGTTAGGATATGTAGTTTCTTTTGAAATTTCAAATAACATTAA AAGAGAGTGTAAGCCTTTTATTATTGATTATTATTTTTTGAGACAGGGTCTTGCTCTGTT GCCCAGGCTGGAGTACAGTGGTATGATTGTGGCTTACTGCTGCCTCGACCTCTGGGCTC ANGTGATCCTCCACCTTAGCCTNCTGAGTAGCTGGGACTACAGGCATGTGCCATGCCCC AGCTATTTTGATTGNTNNGAGAGCANGGTCTGGCTATGNTGCCAGACTGGTCTCAAT TCTGGNCTCAGCGATCT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032151
Insert Size:	2900 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:	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:	<u>NM_032151.3</u> , <u>NP_115527.2</u>
RefSeq Size:	2395 bp
RefSeq ORF:	390 bp
Locus ID:	84105
UniProt ID:	<u>Q9H0N5</u>
Cytogenetics:	5q31.1
Domains:	Pterin_4a
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary: 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]