

Product datasheet for **MC201814**

Pcbd1 (NM_025273) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcbd1 (NM_025273) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pcbd1
Synonyms: Dcoh; Pcbd; Pcd; Phs
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024354 sequence for NM_025273
 GCTTCCCCTGACTGGACATGGCCGCAAGGCACACAGGCTGAGCGCCGAGGAGCGAGACCAGCTGCTGCCA
 AACCTGAGGGCTGTGGGGTGAATGAAGTAGAAGGCCGAGATGCTATCTTCAAGCAGTTCCATTTTAAAG
 ACTTCAACAGGGCTTTTGGCTTCATGACAAGAGTAGCCCTGCAGGCTGAAAAGCTGGACCACCATCCC
 GTGGTTTAAACGTGTACAACAAGGTCCATATCACCTTGAGCACCCATGAATGTGCCGGTCTTTCGGAACGG
 GATATAAACCTGGCCAGCTTCATCGAACAGTCGCCGTGTCTATGACATAGATCTACCCTGACTCTTATT
 TGCTTGGGGGAAGGAGTGACTGGAGGAGAACCTAGGAAGGGAACCAAGGAGGCTGGCCCTTGCTCCCTG
 ACTCTTTCAGTGACCACCACCTCCCTATGCAGAAGGGATGTCAATGTCAACAGCAGGGACTGAGACCTTT
 CTCTGTGCCACTCTCCTACTGGGGCTCTGCCATGTTACACTAATTTGAATAAGCTCTCCCTTTTCTGT
 AGAGTCCCAGCCTCAGTAATGTTCCAGGCTGCTTCTTGTCTTTTCTACCCTTTCTAGTTCATTTTCC
 AAGGTAGCTGTGATAAAGCATGACATAAAAGCCCAATTCAGATCCTACTAATAAAACAAGCTCCAATGTA
 TTATGAAACATGTGCTTTTACGCCTCCAATAAACTATGTTATCGATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_025273

Insert Size: 315 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).



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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: [BC024354](#), [AAH24354](#)

RefSeq Size: 763 bp

RefSeq ORF: 315 bp

Locus ID: 13180

UniProt ID: [P61458](#)

Cytogenetics: 10 32.14 cM

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. [provided by RefSeq, Apr 2015]