

Recombinant Human PCBD2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PCBD2-5144H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PCBD2 MS Standard C13 and N15-labeled recombinant protein (NP_115527) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	PCBD2 (Pterin-4 Alpha-Carbinolamine Dehydratase 2) is a Protein Coding gene. Diseases associated with PCBD2 include Arthrogryposis, Distal, Type 6. Among its related pathways are Metabolism and Folate biosynthesis. Gene Ontology (GO) annotations related to this gene include phenylalanine 4-monooxygenase activity and 4-alpha-hydroxytetrahydrobiopterin dehydratase activity. An important paralog of this gene is PCBD1.
Molecular Mass	14.4 kDa
AA Sequence	MAAVLGALGATRLLAALRGQSLGLAAMSSGTHRLTAEERNQAILDLKAAGWSELS ERDAIYKEFSFHNFNQAFGFMSRVALQAEKMNHHPWFNVYNKVQITLTSHDCGEL TKKDVKLAKFIEKAAASVTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	PCBD2 pterin-4 alpha-carbinolamine dehydratase 2 [Homo sapiens (human)]
Official Symbol	PCBD2
Synonyms	PCBD2; pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2; 6 pyruvoyl tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2; pterin-4-alpha-carbinolamine dehydratase 2; DCOH2; DCOHM; PHS 2; DcoH-like protein DCoHm; HNF-1-alpha dimerization cofactor; pterin-4 alpha-carbinolamine dehydratase 2; 4-alpha-hydroxy-tetrahydropterin dehydratase 2; dimerization cofactor of hepatocyte nuclear factor 1 from muscle; dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1); dimerization cofactor of hepatocyte nuclear factor 1 (HNF1) from muscle; 6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2; PHS2;
Gene ID	84105
mRNA Refseq	NM_032151
Protein Refseq	NP_115527
MIM	609836

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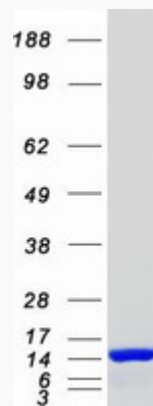
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UniProt ID

Q9H0N5

SDS-PAGE

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