Recombinant Human PCBD2 293 Cell Lysate

Cat. No. PCBD2-3404HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2 (PCBD2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PCBD2 pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2 [Homo sapiens]
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
UniProt ID	Q9H0N5

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Chromosome Location	5q31.1
Pathway	phenylalanine degradation I (aerobic), organism-specific biosystem;
Function	4-alpha-hydroxytetrahydrobiopterin dehydratase activity; lyase activity; phenylalanine 4-monooxygenase activity; protein binding;

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