

Product datasheet for **TP720219M**

PCBD1 (NM_000281) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (PCBD1)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Ala2-Thr104
Tag:	N-His
Predicted MW:	14.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM DTT, pH 8.0.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000272
Locus ID:	5092
UniProt ID:	P61457
Cytogenetics:	10q22.1
Synonyms:	DCOH; PCBD; PCD; PHS
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. A deficiency of this enzyme leads to hyperphenylalaninemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]



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Protein Families: Druggable Genome

Product images:

