

# 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** Ala2-Thr104 or AA Sequence: N-His Tag: 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 Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. Storage: Stable for at least 3 months from date of receipt under proper storage and handling Stability: conditions. NP 000272 RefSeq: 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]



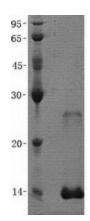
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### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn **Protein Families:** 

Druggable Genome

## **Product images:**



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