

Product datasheet for PH302880

PCBD1 (NM_000281) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PCBD1 MS Standard C13 and N15-labeled recombinant protein (NP_000272)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202880
Predicted MW:	12 kDa
Protein Sequence:	>RC202880 protein sequence Red=Cloning site Green=Tags(s) MAGKAHRLSAEERDQLLPNLRAVGWNELEGRDAIFKQFHFKDFNRAFGMTRVALQAEKLDHHPWFNVY NKVHITLSTHECAGLSERDINLASFIEQVAVSMT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000272</u>
RefSeq Size:	1019
RefSeq ORF:	312
Synonyms:	DCOH; PCBD; PCD; PHS
Locus ID:	5092
UniProt ID:	<u>P61457</u>
Cytogenetics:	10q22.1



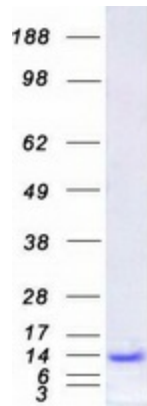
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Summary:

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]

Protein Families:

Druggable Genome

Product images:

Coomassie blue staining of purified PCBD1 protein (Cat# [TP302880]). The protein was produced from HEK293T cells transfected with PCBD1 cDNA clone (Cat# [RC202880]) using MegaTran 2.0 (Cat# [TT210002]).