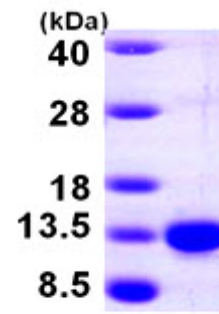


**AR09637PU-N****Human PCBD1 (1-104, His-tag) - Purified**

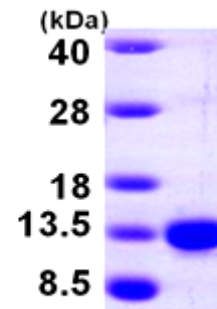
<b>Alternate names:</b>	DCOH, Dimerization cofactor of HNF1, PCBD, PHS, Phenylalanine hydroxylase-stimulating protein, Pterin carbinolamine dehydratase, Pterin-4-alpha-carbinolamine dehydratase
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml (determined by Bradford assay)
<b>Background:</b>	Pterin-4-alpha-carbinolamine dehydratase precursor, also known as PCBD1, is a component of the phenylalanine hydroxylase (PAH) system and participates in tetrahydrobiopterin biosynthesis. A deficiency of this enzyme leads to hyperphenylalaninemia. The enzyme regulates the homodimerization of the transcription factor hepatocyte nuclear factor 1 (HNF1).
<b>Uniprot ID:</b>	<a href="#">P61457</a>
<b>NCBI:</b>	<a href="#">NP_000272</a>
<b>GeneID:</b>	<a href="#">5092</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% by SDS - PAGE <b>Buffer System:</b> 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol
<b>Description:</b>	Recombinant human PCBD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. <b>AA Sequence:</b> <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MAGKAHRLSA EERDQLLPNL RAVGWNELEG RDAIFKQFHF KDFNRAFQFM TRVALQAEKL DHPPEWFNVY NKVHITLSTH ECAGLSERDI NLSAFIEQVA VSMT <b>Molecular weight:</b> 14.1 kDa (124aa), confirmed by MALDI-TOF
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Schallreuter K U., et al. (2004) Biochem Biophys Res Commun. 315:502-508. Hasse S., et al. (2005) Exp Dermatol. 14:182-187.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human PCBD1, 1- 104 aa,  
His-tagged



15% SDS-PAGE (3ug)