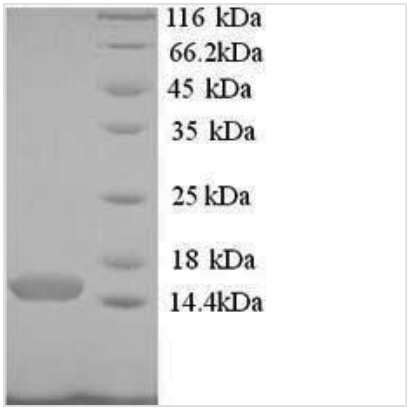
Recombinant Human Pterin-4-alpha-carbinolamine dehydRatase (PCBD1)

Product Code	CSB-YP017514HU
Relevance	Involved in tetrahydrobiopterin biosynthesis. Ses to both prevent the formation of 7-pterins and accelerate the formation of quinonoid-BH2. Coactivator for HNF1A-dependent transcription. Regulates the dimerization of homeodomain protein HNF1A and enhances its transcriptional activity.
Abbreviation	Recombinant Human PCBD1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P61457
Alias	4-alpha-hydroxy-tetrahydropterin dehydrataseDimerization cofactor of hepatocyte nuclear factor 1-alpha ;DCoH ;Dimerization cofactor of HNF1;Phenylalanine hydroxylase-stimulating protein;Pterin carbinolamine dehydratase ;PCD
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	AGKAHRLSAEERDQLLPNLRAVGWNELEGRDAIFKQFHFKDFNRAFGFMTRV ALQAEKLDHHPEWFNVYNKVHITLSTHECAGLSERDINLASFIEQVAVSMT
Research Area	Metabolism
Source	Yeast
Target Names	PCBD1
Protein Names	Recommended name: Pterin-4-alpha-carbinolamine dehydratase Short name= PHS EC= 4.2.1.96 Alternative name(s): 4-alpha-hydroxy-tetrahydropterin dehydratase Dimerization cofactor of hepatocyte nuclear factor 1-alpha Short name=
Expression Region	2-104aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	13.9kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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