

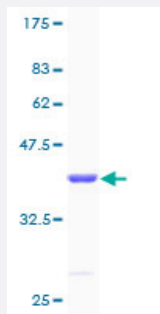
Full-Length

PCBD1 (Human) Recombinant Protein (P01)

Catalog # H00005092-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PCBD1 full-length ORF (AAH06324, 1 a.a. - 104 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAGKAHRLSAEERDQLLPNLRAVGWNELEGRDAIFKQFHFKDFNRAFGFMTRVALQAEKLDHH PEWFNVYNKVHITLSTHECAGLSERDINLASFIEQVAVSMT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.18
Interspecies Antigen Sequence	Mouse (99); Rat (100)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PCBD1

Entrez GeneID	5092
GeneBank Accession#	BC006324
Protein Accession#	AAH06324
Gene Name	PCBD1
Gene Alias	DCOH, PCBD, PCD, PHS
Gene Description	pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha
Omim ID	126090 264070
Gene Ontology	Hyperlink
Gene Summary	This gene encodes pterin-4 alpha-carbinolamine dehydratase, an enzyme involved in phenylalanine hydroxylation. A deficiency of this enzyme leads to hyperphenylalaninemia. The enzyme regulates the homodimerization of the transcription factor hepatocyte nuclear factor 1 (HNF1). [provided by RefSeq]
Other Designations	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) OTTHUMP00000019765 Pterin-4a-carbinolamine dehydratase (dimerization cofactor of hepatic nuclear factor 1-alpha) dimerizing cofactor for HNF1 phenylalanine

Disease

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- [Autistic Disorder](#)

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Dystonic Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)