

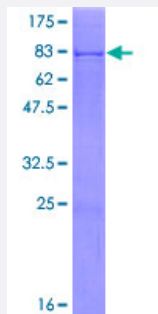
Full-Length

PCCB (Human) Recombinant Protein (P01)

Catalog # H00005096-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PCCB full-length ORF (NP_000523.2, 1 a.a. - 539 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAALRVAAVGARLSVLASGLRAAVRSLCSQATSVNERIENKRRTALLGGGQRRIDAQHKRGKLT
ARERISLLLDPGSFVESDMFVEHRCADFGMAADKNKFPGDSVVTGRGRINGRLVYVFSQDFTVF
GGSLSGAHAQKICKIMDQAITVGAPVIGLNDSSGARIQEGVESLAGYADIFLRNVTASGVIPQISLIM
GPCAGGAVYSPALTDFTFMVKDTSYLFITGPDVVKSVTNEDVTQEELGGAKTHTTMSGVAHRAFE
NDVDALCNLRDFFNYLPLSSQDPAPVRECHDPSDRLVPELDTVPLESTKAYNMVDIIHSVVDERE
FFEIMPNYAKNIIVGFARMNGRTVGIVGNQPKVASGCLDINSSVKGARFVRFCDAFNIPLITFVDVPG
FLPGTAQEYGGIIRHGAKLLYAFAEATVPKVTVITRKAYGGAYDMSSKHL CGDTNYAWPTAEIAVM
GAKGAVEIIFKGHENVEAAQAEYIEKFANPFPAAVRGFVDDIIQPSSTRARICCDLDVLASKKVQRP
WRKHANIPL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.6

Interspecies Antigen Sequence

Mouse (93); Rat (93)

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 — PCCB

Entrez GeneID	5096
GeneBank Accession#	NM_000532.3
Protein Accession#	NP_000523.2
Gene Name	PCCB
Gene Alias	DKFZp451E113
Gene Description	propionyl Coenzyme A carboxylase, beta polypeptide
Omim ID	232050 606054
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a subunit of the propionyl-CoA carboxylase (PCC) enzyme, which is involved in the catabolism of propionyl-CoA. PCC is a mitochondrial enzyme that probably acts as a dodecamer of six alpha subunits and six beta subunits. This gene encodes the beta subunit of PCC. Defects in this gene are a cause of propionic acidemia type II (PA-2). [provided by RefSeq]
Other Designations	PCCase subunit beta propanoyl-CoA:carbon dioxide ligase subunit beta

Pathway

- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Valine](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)