

# Recombinant Human PCCB Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07741

**Protein Name:** Pccase Subunit Beta (PCCB)

**Aliases:** PCCase subunit beta; propionyl-CoA carboxylase beta subunit; propionyl-CoA carboxylase subunit beta; propionyl CoA carboxylase, beta polypeptide; propanoyl-CoA:carbon dioxide ligase subunit beta

**UniProt ID:** P05166

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P05166/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (29-539aa)

**Molecular Weight:** 62.4 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (29-539aa)

CSQATSVNERIENKRRTALLGGGQRRIDAQHKRGKLTARERISLLLDPGSFVESDM  
FVEHRCADFGMAADKNKFPGDSVVTGRGRINGRLVYVFSQDFTVFGGSLSGAHAQ  
KICKIMDQAITVGAPVIGLNDSSGGARIQEGVESLAGYADIFLRNVTASGVIPQISLIMG  
PCAGGAVYSPALTDFTFMVKDTSYLFITGPDVVKSVTNEVDVTQEELGGAKHTTMS  
GVAHRAFENDVDALCNLRDFFNYLPLSSQDPAPVRECHDPSDRLVPELDTIVPLES  
TKAYNMVDIIHSVDEREFFEIMPNYAKNIIIVGFARMNGRTVGIVGNQPKVASGCLDI  
NSSVKGARFVRFCDAFNIPLITFVDVPGFLPGTAQEYGGIIRHGAKLLYAFAEATVPK  
VTVITRKAYGGAYDVMSSKHLCGDTNYAWPTAEIAVMGAKGAVEIIFKGFHENVEAA  
QAEYIEKFANPFPAAVRGGFVDDIIQPSSTRARICCDLDVLASKKVQRPWRKHANIPL

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant Human PCCB full length of mature protein protein (29-539aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PCCB, also known as PCCase subunit beta or propionyl-CoA carboxylase beta subunit or propionyl-CoA carboxylase subunit beta, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.