

Recombinant Human PCCA Protein Product Manual

1. Product Basic Information

Product No.: REP07740

Protein Name: Pccase Alpha Subunit (PCCA)

Aliases: PCCase alpha subunit; pccA complementation group; propionyl-CoA carboxylase alpha subunit; propionyl-CoA carboxylase subunit alpha; propionyl CoA carboxylase, alpha polypeptide; propanoyl-CoA:carbon d...

UniProt ID: P05165

UniProt Link: <https://www.uniprot.org/uniprotkb/P05165/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (53-728aa)

Molecular Weight: 81.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (53-728aa)

SVGYDPNEKTFDKILVANRGEIACRVIRTCKKMGIKTVAIHSDVDASSVHVKMADEA
VCVGPAPTSKSYLNMDAIMEAIKKTRAQAVHPGYGFLSENKEFARCLAAEDVVFIGP
DTHAIQAMGDKIESKLLAKKAEVNTIPGFDGVVKDAEEAVRIAREIGYPVMIKASAGG
GGKGMRIAWDDEETRDGFRLLSSQEAASSFGDDRLLIEKFIDNPRHIEIQVLGDKHGN
ALWLNRECSIQRRNQKVVEEAPSIFLDAETRRAMGEQAVALARAVKYSSAGTVEF
LVDSKKNFYFLEMNTRLQVEHPVTECITGLDLVQEMIRVAKGYPLRHKQADIRINGW
AVECRVYAEDPYKSFGLPSIGRLSQQEPLHLPGVRVDSGIQPGSDISIYYDPMISKL
ITYGSDRTEALKRMADALDNYVIRGVTHNIALREVIINSRFVKGDISTKFLSDVYPDG
FKGHMLTKSEKNQLLAIASSLFVAFQLRAQHFQENSRMPVIKPDIANWELSVKLHDK
VHTVVASNNGSVFSVEVDGSKLNVTSTWNLASPLLSVSDGTQRTVQCLSREAGG
NMSIQFLGTVYKVNILTRLAAELNKFMLEKVTEDTSSVLRSPMPGVVAVSVKPGDA
VAEGQEICVIEAMKMQNSMTAGKTGTVKSVHCQAGDTVGEGLLVELE

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



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glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

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 PCCA full length of mature protein protein (53-728aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PCCA, also known as PCCase alpha subunit or pccA complementation group or propionyl-CoA carboxylase alpha subunit, 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.