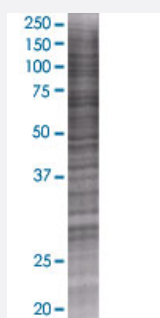


# PCCA 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005095-T01

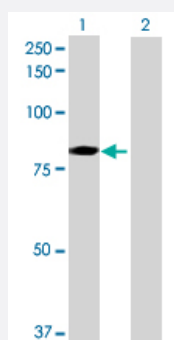
Size 100 uL

## Applications



### SDS-PAGE Gel

PCCA transfected lysate.



### Western Blot

Lane 1: PCCA transfected lysate ( 77.44 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                               |                       |
|-------------------------------|-----------------------|
| Transfected Cell Line         | 293T                  |
| Plasmid                       | pCMV-PCCA full-length |
| Host                          | Human                 |
| Theoretical MW (kDa)          | 77.44                 |
| Interspecies Antigen Sequence | Mouse (91); Rat (90)  |

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-PCCA antibody ([H00005095-B01](#)) by Western Blots.  
SDS-PAGE Gel  
PCCA transfected lysate.  
Western Blot  
Lane 1: PCCA transfected lysate ( 77.44 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — PCCA

**Entrez GeneID**[5095](#)**GeneBank Accession#**[BC000140.2](#)**Protein Accession#**[AAH00140.1](#)**Gene Name**

PCCA

**Gene Alias**

-

**Gene Description**

propionyl Coenzyme A carboxylase, alpha polypeptide

**Omim ID**[232000 606054](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is the alpha subunit of the heterodimeric mitochondrial enzyme Propionyl-CoA carboxylase. PCCA encodes the biotin-binding region of this enzyme. Mutations in either PCCA or PCCB (encoding the beta subunit) lead to an enzyme deficiency resulting in propionic acidemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

OTTHUMP00000018635|PCCase alpha subunit|pccA complementation group|propanoyl-CoA:carbon dioxide ligase alpha subunit|propionyl-CoA carboxylase alpha chain, mitochondrial|propionyl-Coenzyme A carboxylase, alpha polypeptide

## Pathway

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

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)