

## Product datasheet for **TP314832M**

### PCCA (NM\_000282) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human propionyl Coenzyme A carboxylase, alpha polypeptide (PCCA), nuclear gene encoding mitochondrial protein, transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214832 representing NM_000282 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAGFWVGTAPLVAAGRRGRWPPQQLMLSAALRTLKHVLYYSRQCLMVSRLGSGVYDPNEKTFDKILVAN  
RGEIACRVIRTCKKMGIKTVAIHSDVDASSVHVKMADEAVCVGPAPTSKSYLNMDAIMEAIKKTRAQAVH  
PGYGFLSENKEFARCLAAEDVFIGPDTHAIQAMGDKIESKLLAKKAENVNTIPGFDGVVKDAEEAVRIAR  
EIGYPVMIKASAGGGGKGMRIAWDDEETRDGFRLSSQEASSFGDDRLLIEKFIDNPRHIEIQVLGDKHG  
NALWLNERECIQRRNQKWEEAPSIFLDAETRRAMGEQAVALARAVKYSSAGTVEFLVDSKKNFYFLEM  
NTRLQVEHPVTECITGLDLVQEMIRVAKGYPLRHKQADIRINGWAVECRVYAEDPYKSFGLPSIGRLSQY  
QEPLHLPGVRVDSGIQPGSDISIYYDPMISKLITYGSDRTEALKRMADALDNYVIRGVTHNIALREVII  
NSRFVKGDISTKFLSDVYPDGFKGHMLTKSEKNQLLAIASSLFVAFQLRAQHFAQENSRRMPVIKPDIANWE  
LSVKLHDKVHTVASNNGSVFSVEVDGSKLNVSTWNLASPLLSVSDGTQRTVQCLSREAGGNMSIQFL  
GTVYKVNILTRLAAELNKFMLEKVTEDTSSVLRSPMPGVVAVSVKPGDAVAEGQEICVIEAMKMQNSMT  
AGKTGTVKSVHCQAGDTVGEGLLVELE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

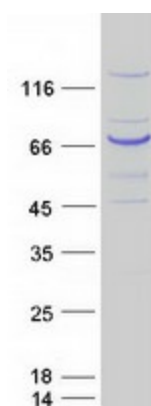
Tag:	C-Myc/DDK
Predicted MW:	75 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000273</a>
<b>Locus ID:</b>	5095
<b>UniProt ID:</b>	<a href="#">P05165</a>
<b>RefSeq Size:</b>	2518
<b>Cytogenetics:</b>	13q32.3
<b>RefSeq ORF:</b>	2184
<b>Summary:</b>	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. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2010]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation

### Product images:



Coomassie blue staining of purified PCCA protein (Cat# [TP314832]). The protein was produced from HEK293T cells transfected with PCCA cDNA clone (Cat# [RC214832]) using MegaTran 2.0 (Cat# [TT210002]).