

Product datasheet for **TP314832L**

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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214832 representing NM_000282 Red =Cloning site Green =Tags(s)

MAGFWVGTAPLVAAGRRGRWPPQQLMLSAALRTLKHVLYYSRQCLMVSRLGSGYDPNEKTFDKILVAN
RGEIACRVIRTCKKMGIKTVAIHSDVDASSVHVKMADEAVCVGPAPTSKSYLNMDAIMEAIKKTRAQAVH
PGYGFLSENKEFARCLAAEDVFIGPDTHAIQAMGDKIESKLLAKKAVENTIPGFDGVVKDAEEAVRIAR
EIGYPVMIKASAGGGGKGMRIAWDDEETRDGFRLSSQEASSFGDDRLLIEKFIDNPRHIEIQVLGDKHG
NALWLNRECSIQRRNQKWEEAPSIFLDAETRRAMGEQAVALARAVKYSSAGTVEFLVDSKKNFYFLEM
NTRLQVEHPVTECITGLDLVQEMIRVAKGYPLRHKQADIRINGWAVECRVYAEDPYKSFGLPSIGRLSQY
QEPLHLPGVRVDSGIQPGSDISIIYDPMISKLITYGSDRTEALKRMADALDNYVIRGVTHNIALREVII
NSRFVKGDISTKFLSDVYPDGFKGHMLTKSEKNQLLAIASSLFVAFQLRAQHFAQENSRRMPVIKPDIANWE
LSVKLHDKVHTVASNNGSVFSVEVDGSKLNVSTWNLASPLLSVSDGTQRTVQCLSREAGGNMSIQFL
GTVYKVNILTRLAAELNKFMLEKVTEDTSSVLRSPMPGVVAVSVKPGDAVAEGQEICVIEAMKMQNSMT
AGKTGTVKSVHCQAGDTVGEGLLVELE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

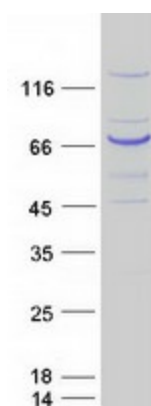
Tag:	C-Myc/DDK
Predicted MW:	75 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000273
Locus ID:	5095
UniProt ID:	P05165
RefSeq Size:	2518
Cytogenetics:	13q32.3
RefSeq ORF:	2184
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. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2010]
Protein Families:	Druggable Genome
Protein Pathways:	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]).