

Product datasheet for PH314832

PCCA (NM_000282) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PCCA MS Standard C13 and N15-labeled recombinant protein (NP_000273)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214832
Predicted MW:	80.06 kDa
Protein Sequence:	>RC214832 representing NM_000282 Red=Cloning site Green=Tags(s)

MAGFWVGTAPLVAAGRRGRWPPQQLMLSAALRTLKHVLYYSRQCLMVSRLGSGVYDPNEKTFDKILVAN
RGEIACRVIRTCKKMGIKTVAIHSDVDASSVHVKMADEAVCVGPAPTSSYLNMDAIMEAIKKTRAQAVH
PGYGFLSENKEFARCLAAEDVVFIGPDTHAIQAMGDKIESKLLAKKAENVNTIPGFDGVVKAEEAVRIAR
EIGYPVMIKASAGGGGKMRIAWDDEETRDGFRLSSQEAASSFGDDRLLIEKFIDNPRHIEIQVLGDKHG
NALWLNERECSIQRNQQVVEEAPSIFLDAETRRAMGEQAVALARAVKYSSAGTVEFLVDSKKNFYFLEM
NTRLQVEHPVTECITGLDLVQEMIRVAKGYPLRHKQADIRINGWAVECRVYAEDPYKSFGLPSIGRLSQY
QEPLHLPGVRVDSGIQPGSDISIIYYDPMISKLITYGSDRTEALKRMADALDNYVIRGVTHNIALREVII
NSRFVKGDI STKFLSDVYPDGFKGHMLTKSEKNQLLAIASSLFVAFQLRAQHFQENS RMPVIKPDIANWE
LSVKLHDKVHTVVASNNGSVFSVEVDGSKLNVTSTWNLASPLLSVSVDTGRTVQCLSREAGGNMSIQFL
GTYYKVNILTRLAAELNKFMLEKVTEDTSSVLRSPMPGVVAVSVKPGDAVAEGQEICVIEAMKMQNSMT
AGKTGTVKSVHCQAGDVTGEGDLLVELE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000273



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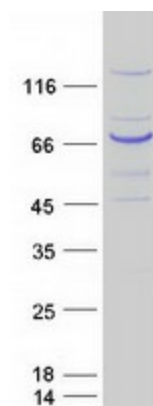
RefSeq Size: 2518
RefSeq ORF: 2184
Locus ID: 5095
UniProt ID: [P05165](#)
Cytogenetics: 13q32.3

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]).