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Product datasheet for PH304085

PPCDC (NM_021823) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPCDC MS Standard C13 and N15-labeled recombinant protein (NP_068595)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204085
Predicted MW:	22.4 kDa
Protein Sequence:	>RC204085 protein sequence Red=Cloning site Green=Tags(s) MEPKASCPAAAPLMERKFHVLVGVTGSVAALKLPLLVSKLLDIPGLEVAVVTTERAKHFYSPQDIPVTLY SDADEWEMWKSRSDPVLHIDLRRWADLLLVAPLDANTLGKVASGICDNLLTCVMRAWDRSKPLLFCPAMN TAMWEHPITAQQVDQLKAFGYVEIPCVAKKLVCGDEGLGAMAEVGTIVDKVKEVLFQHSGFQQS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_068595
RefSeq Size:	2268
RefSeq ORF:	612
Synonyms:	coaC; MDS018; PPC-DC
Locus ID:	60490
UniProt ID:	Q96CD2

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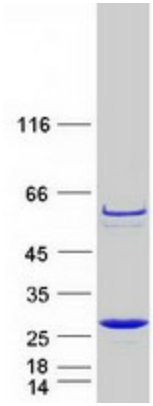
Cytogenetics: 15q24.2

Summary: Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. PPCDC (EC 4.1.1.36), one of the last enzymes in this pathway, converts phosphopantothenoylcysteine to 4-prime-phosphopantetheine (Daugherty et al., 2002 [PubMed 11923312]).[supplied by OMIM, Mar 2008]

Protein Pathways: Metabolic pathways, Pantothenate and CoA biosynthesis

Product images:



Coomassie blue staining of purified PPCDC protein (Cat# [TP304085]). The protein was produced from HEK293T cells transfected with PPCDC cDNA clone (Cat# [RC204085]) using MegaTran 2.0 (Cat# [TT210002]).