

Product datasheet for PH320317

COQ7 (NM_016138) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	COQ7 MS Standard C13 and N15-labeled recombinant protein (NP_057222)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220317
Predicted MW:	24.1 kDa
Protein Sequence:	>RC220317 representing NM_016138 Red=Cloning site Green=Tags(s) MSCAGAAAAPRLWRLRPGARRSL SAYGRRTSVRFRSSGMTLDNISRAAVDRIIRVDHAGEYGANRIYAGQ MAVLGRTSVGPVIQKMWDQEKDHLKKNELMVMFRVRPTVLMPLWNVLGFALGAGTALLGKEGAMACTVA VEESIAHHYNNQIRTLMEEDPEKYEELLQIKKFRDEELEHHDIGLDHDAELAPAYAVLKSIIQAGCRVA IYLSERL 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_057222
RefSeq Size:	2591
RefSeq ORF:	651
Synonyms:	CAT5; CLK-1; CLK1; COQ10D8
Locus ID:	10229
UniProt ID:	Q99807



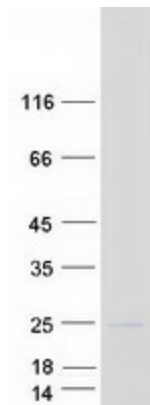
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Cytogenetics: 16p12.3

Summary: The protein encoded by this gene is similar to a mitochondrial di-iron containing hydroxylase in *Saccharomyces cerevisiae* that is involved with ubiquinone biosynthesis. Mutations in the yeast gene lead to slower development and longer life span. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2010]

Protein Pathways: Metabolic pathways, Ubiquinone and other terpenoid-quinone biosynthesis

Product images:



Coomassie blue staining of purified COQ7 protein (Cat# [TP320317]). The protein was produced from HEK293T cells transfected with COQ7 cDNA clone (Cat# [RC220317]) using MegaTran 2.0 (Cat# [TT210002]).