

Product datasheet for PH309578

COQ9 (NM_020312) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	COQ9 MS Standard C13 and N15-labeled recombinant protein (NP_064708)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209578
Predicted MW:	35.5 kDa
Protein Sequence:	>RC209578 protein sequence Red=Cloning site Green=Tags(s)

MAAAVSGALGRAGWRLQLRCLPVARCRQALVPRAFHASAVGLRSSDEQKQPPNSFSQQHSETQGAEK
PDPESSHSPRYTDQGGEEEDYESEEQLQHRILTAALFVPAHGWTAEAIAGAQLGLSSAAASMFVK
DGSELILHFVTQCNTLRVLEEEQKLVQLGQAEKRKTDQFLRDAVETRLRMLIPYIEHWPRALSILMLP
HNIPSSL SLLTSMVDDMWHYAGDQSTDFNWTTRAMLAAIYNTTELVMQDSSPDFEDTWRFLNVRVDA
MNMGHTAKQVKSTGEALVQGLMGAATLKNLTGLNQR

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:	<u>NP_064708</u>
RefSeq Size:	1699
RefSeq ORF:	954
Synonyms:	C16orf49; COQ10D5
Locus ID:	57017



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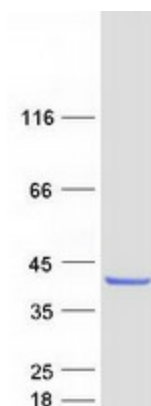
UniProt ID: [O75208](#), [A0A024R6U3](#)

Cytogenetics: 16q21

Summary: This locus represents a mitochondrial ubiquinone biosynthesis gene. The encoded protein is likely necessary for biosynthesis of coenzyme Q10, as mutations at this locus have been associated with autosomal-recessive neonatal-onset primary coenzyme Q10 deficiency. [provided by RefSeq, Sep 2010]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified COQ9 protein (Cat# [TP309578]). The protein was produced from HEK293T cells transfected with COQ9 cDNA clone (Cat# [RC209578]) using MegaTran 2.0 (Cat# [TT210002]).