

Recombinant Full Length Human COQ4 Protein, GST-tagged

Cat. No. COQ4-1975HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COQ4 full-length ORF (AAH11895.1, 1 a.a. - 265 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	265 amino acids
Description	This gene encodes a component of the coenzyme Q biosynthesis pathway. Coenzyme Q, an essential component of the electron transport chain, shuttles electrons between complexes I or II to complex III of the mitochondrial transport chain. This protein appears to play a structural role in stabilizing a complex that contains most of the coenzyme Q biosynthesis enzymes. Mutations in this gene are associated with mitochondrial disorders linked to coenzyme Q deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]
Molecular Mass	56.1 kDa
AA Sequence	MATLLRPVLRRLCGLPGLQRPAAEMLRARS DGAGPLYSHHLPTSPLQKALLAAGS AAMALYNPYRHDMAVAVLGETTGHRTLKVL RDQMRRDPEGAQILQERPRISTSTLDL GKLQSLPEGSLGREYLRFLDVNRVSPDTRAPTRFVDDEELAYVIQRYREVHMLHTL LGMP TNILGEIVVKWFEAVQTGLPMCILGAFFGPIRLGAQSLQVLVSELIPWAVQNGR RAPCVLNLYYERRWEQSLRALREELGITAPPMHVQGLA

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	COQ4 coenzyme Q4 [Homo sapiens (human)]
Official Symbol	COQ4
Synonyms	COQ4; coenzyme Q4; Coenzyme Q4; Coenzyme Q Biosynthesis Protein 4 Homolog; Ubiquinone Biosynthesis Protein COQ4 Homolog, Mitochondrial; Coenzyme Q4 Homolog (S. Cerevisiae); Coenzyme Q4 Homolog (Yeast); Coenzyme Q4 Homolog; COQ10D7; CGI-92; ubiquinone biosynthesis protein COQ4 homolog, mitochondrial; coenzyme Q biosynthesis protein 4 homolog; coenzyme Q4 homolog
Gene ID	51117
mRNA Refseq	NM_001305942
Protein Refseq	NP_001292871
MIM	612898

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UniProt ID

Q9Y3A0

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