

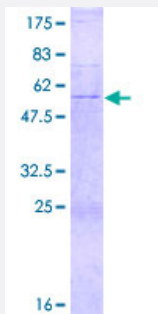
Full-Length

COQ4 (Human) Recombinant Protein (P01)

Catalog # H00051117-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human COQ4 full-length ORF (AAH11895.1, 1 a.a. - 265 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MATLLRPVLRRLCGLPGLQRPAAEMLRARS DGAGPLYSHHLPT SPLQKALLAAGSAAMALYNP
YRDMVAVLGETTGHR TLKVL RDQMRRDPEGAQILQERPRISTLDLGKLQSLPEGSLGREYLR
FLDVNRVSPDTRAPTRFVDDEELAYVIQRYREVH DMLHTLLGMPTNILGENVKWFEAVQTGLPMC
ILGAFFGPIRLGAQSLQVLVSELIPWAVQNGRRAPCVLNLYYERRWEQSLRALREELGITAPPMHV
QGLA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.1

Interspecies Antigen Sequence

Mouse (81); Rat (80)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — COQ4

Entrez GeneID[51117](#)**GeneBank Accession#**[BC011895.2](#)**Protein Accession#**[AAH11895.1](#)**Gene Name**

COQ4

Gene Alias

CGI-92

Gene Description

coenzyme Q4 homolog (S. cerevisiae)

Gene Ontology[Hyperlink](#)**Gene Summary**

Coenzyme Q (CoQ) is a small lipophilic molecule that transports electrons between mitochondrial respiratory chain complexes and functions as a cofactor for mitochondrial enzymes. COQ4 is an enzyme involved in CoQ biosynthesis (Casarin et al., 2008 [PubMed 18474229]).[supplied by OMI M

Other Designations

OTTHUMP00000022262|coenzyme Q4 homolog