

Recombinant Human COQ7, GST-tagged

Cat. No. COQ7-11473H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COQ7 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-217a.a.
Description	The protein encoded by this gene is similar to a mitochondrial di-iron containing hydroxylase in <i>Saccharomyces cerevisiae</i> 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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	COQ7 coenzyme Q7 homolog, ubiquinone (yeast) [<i>Homo sapiens</i>]
Official Symbol	COQ7

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Synonyms	COQ7; coenzyme Q7 homolog, ubiquinone (yeast); coenzyme Q, 7 (rat, yeast) homolog; ubiquinone biosynthesis protein COQ7 homolog; CAT5; CLK 1; placental protein KG-20; timing protein clk-1 homolog; COQ7 coenzyme Q, 7 homolog ubiquinone; coenzyme Q biosynthesis protein 7 homolog; CLK1; CLK-1;
Gene ID	10229
mRNA Refseq	NM_001190983
Protein Refseq	NP_001177912
MIM	601683
UniProt ID	Q99807
Chromosome Location	16p12.3
Pathway	Metabolic pathways, organism-specific biosystem; Ubiquinone and other terpenoid-quinone biosynthesis, organism-specific biosystem; Ubiquinone and other terpenoid-quinone biosynthesis, conserved biosystem; ubiquinol-10 biosynthesis (eukaryotic), conserved biosystem;
Function	oxidoreductase activity; transition metal ion binding;