

## Recombinant Human COQ7, GST-tagged

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

### SPECIFICATION

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

### GENE INFORMATION

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

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<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">10229</a>
<b>mRNA Refseq</b>	<a href="#">NM_001190983</a>
<b>Protein Refseq</b>	<a href="#">NP_001177912</a>
<b>MIM</b>	<a href="#">601683</a>
<b>UniProt ID</b>	<a href="#">Q99807</a>
<b>Chromosome Location</b>	16p12.3
<b>Pathway</b>	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;
<b>Function</b>	oxidoreductase activity; transition metal ion binding;

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