Recombinant Human COQ7 cell lysate

Cat. No. COQ7-2006HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COQ7 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer.Browse all transfected cell lysate positive controls
Species	Human
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200μL pure water and boiled for 2-5 min.3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.Notes:The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

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

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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;

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