

Recombinant Human UQCRC2 293 Cell Lysate

Cat. No. UQCRC2-487HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for ubiquinol-cytochrome c reductase core protein II (UQCRC2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

UQCRC2 ubiquinol-cytochrome c reductase core protein II [Homo sapiens]

Official Symbol

UQCRC2

Synonyms

UQCRC2; ubiquinol-cytochrome c reductase core protein II; cytochrome b-c1 complex subunit 2, mitochondrial; QCR2; UQCR2; core protein II; complex III subunit 2; ubiquinol-cytochrome-c reductase complex core protein 2;

Gene ID

7385

mRNA Refseq

NM_003366

Protein Refseq

NP_003357

MIM

191329

UniProt ID

P22695

**Chromosome
Location**

16p12

Pathway

Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Cytochrome bc1 complex, organism-specific biosystem; Cytochrome bc1 complex, conserved biosystem; Electron Transport

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Chain, organism-specific biosystem;

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