

## Product datasheet for LY300513

## **UQCRC2 Human Knockdown Lysate**

**Product data:** 

**Product Type:** Knockdown Lysates

Description: WB-validated UQCRC2 Knockdown HT-1080 Cell Lysate

Species: Human Tag Free Tag:

Synonyms: UQCRC2; Ubiquinol-Cytochrome C Reductase Core Protein 2; UQCR2; QCR2; Ubiquinol-

Cytochrome-C Reductase Complex Core Protein 2; Ubiquinol-Cytochrome C Reductase Core

Protein II; Cytochrome B-C1 Complex Subunit 2, Mitochondrial; Complex III Subunit 2;

Cytochrome Bc-1 Complex Core Protein II; Core Protein II; MC3DN5

Predicted MW: 48 kDa

Components: 1 vial of 100 ug WT HT-1080 cell lysate

1 vial of 100 ug UQCRC2 KD HT-1080 cell lysate

Store at -20 °C for two years. Storage:

**Concentration:** Lot-specific

**Buffer:** IntactProtein Cell-Tissue Lysis buffer

Locus ID: 7385 **UniProt ID:** P22695

**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways,

Oxidative phosphorylation, Parkinson's disease



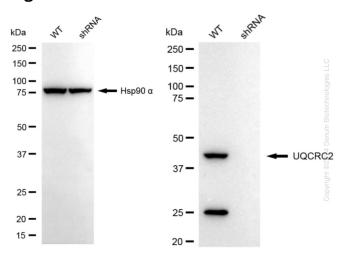
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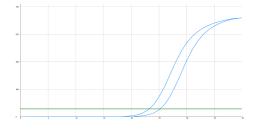
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## **Product images:**



Western blotting analysis. UQCRC2 protein expression in wild-type (WT) and shRNA knockdown (KD) HT-1080 cells was detected using Western blotting. Hsp90  $\alpha$  served as a loading control. The blots were incubated with primary antibodies against UQCRC2 and Hsp90  $\alpha$ , respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ^M ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	23.09
Knock-Down	25.06
$\Delta Ct (Ct_{KD}-Ct_{WT})$	1.97
% mRNA Reduction	<b>↓</b> 74%

RT-qPCR analysis. HT-1080 cells were infected with UQCRC2-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.