

Recombinant Human CYB5R1 293 Cell Lysate

Cat. No. CYB5R1-7144HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for cytochrome b5 reductase 1 (CYB5R1) 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

CYB5R1 cytochrome b5 reductase 1 [Homo sapiens]

Official Symbol

CYB5R1

Synonyms

CYB5R1; cytochrome b5 reductase 1; NAD(P)H:quinone oxidoreductase type 3, polypeptide A2 , NQO3A2; NADH-cytochrome b5 reductase 1; humb5R2; NAD(P)H:quinone oxidoreductase type 3 polypeptide A2; NAD(P)H:quinone oxidoreductase type 3, polypeptide A2; B5R1; B5R.1; NQO3A2;

Gene ID

51706

mRNA Refseq

NM_016243

Protein Refseq

NP_057327

MIM

608341

UniProt ID

Q9UHQ9

Chromosome Location

1q32.1

Pathway

Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem;

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Function

cytochrome-b5 reductase activity; oxidoreductase activity;

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