Recombinant Human CYB5R4 293 Cell Lysate

Cat. No. CYB5R4-7140HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for cytochrome b5 reductase 4 (CYB5R4) 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	CYB5R4 cytochrome b5 reductase 4 [Homo sapiens]
Official Symbol	CYB5R4
Synonyms	CYB5R4; cytochrome b5 reductase 4; NADPH cytochrome B5 oxidoreductase , NCB5OR; b5+b5R; dJ676J13.1; flavohemoprotein b5+b5R; flavohemoprotein b5/b5R; NADPH cytochrome B5 oxidoreductase; cytochrome b-type NAD(P)H oxidoreductase; N-terminal cytochrome b5 and cytochrome b5 oxidoreductase domain-containing protein; NCB5OR; cb5/cb5R; RP4-676J13.1;
Gene ID	51167
mRNA Refseq	NM_016230
Protein Refseq	NP_057314
MIM	608343
UniProt ID	Q7L1T6
Chromosome Location	6pter-q22.33
Function	NAD(P)H oxidase activity; NOT NAD(P)H oxidase activity; cytochrome-b5 reductase activity; heme binding; metal ion binding; oxidoreductase activity; oxidoreductase

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	activity, acting on NADH or NADPH, heme protein as acceptor;

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