Recombinant Human COX5B 293 Cell Lysate

Cat. No. COX5B-7332HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for cytochrome c oxidase subunit Vb (COX5B) 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	COX5B cytochrome c oxidase subunit Vb [Homo sapiens]
Official Symbol	COX5B
Synonyms	COX5B; cytochrome c oxidase subunit Vb; cytochrome c oxidase subunit 5B, mitochondrial; cytochrome c oxidase polypeptide VB, mitochondrial; COXVB;
Gene ID	1329
mRNA Refseq	NM_001862
Protein Refseq	NP_001853
MIM	123866
UniProt ID	P10606
Chromosome Location	2q11.2
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Cytochrome c oxidase, organism-specific biosystem; Cytochrome c oxidase, conserved biosystem;

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Function	cytochrome-c oxidase activity; metal ion binding;

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