Recombinant Human COX7A2 293 Cell Lysate

Cat. No. COX7A2-7326HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for cytochrome c oxidase subunit VIIa polypeptide 2 (liver) (COX7A2), nuclear gene encoding mitochondrial protein, transcript variant 1 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	COX7A2 cytochrome c oxidase subunit VIIa polypeptide 2 (liver) [Homo sapiens]
Official Symbol	COX7A2
Synonyms	COX7A2; COX7AL; COX7AL1; COXVIIa L; COXVIIAL; CX7A2_HUMAN; Cytochrome c oxidase polypeptide 7A2 mitochondrial; Cytochrome c oxidase polypeptide VIIa liver/heart; Cytochrome c oxidase subunit 7A2; Cytochrome c oxidase subunit 7A2 mitochondrial; Cytochrome c oxidase subunit VIIa polypeptide 2; Cytochrome c oxidase subunit VIIa-L; Cytochrome c oxidase subunit VIIa-liver/heart; Cytochrome c oxidase subunit VIIaL; Hepatic cytochrome c oxidase chain VIIa; MGC118950; MGC118951; MGC118952; MGC126875; MGC126877; mitochondrial; VIIAL;
Gene ID	1347
mRNA Refseq	NM_001865.3
Protein Refseq	NP_001856.2
MIM	123996
UniProt ID	H0UI06
Chromosome Location	6q12

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Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Cytochrome c oxidase, organism-specific biosystem; Cytochrome c oxidase, conserved biosystem; Electron Transport Chain, organism-specific biosystem;
Function	cytochrome-c oxidase activity; electron carrier activity;

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