Recombinant Human NDUFV3 293 Cell Lysate

Cat. No. NDUFV3-3890HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa (NDUFV3), 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	NDUFV3 NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa [Homo sapiens]
Official Symbol	NDUFV3
Synonyms	NDUFV3; NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa; NADH dehydrogenase (ubiquinone) flavoprotein 3 (10kD); NADH dehydrogenase [ubiquinone] flavoprotein 3, mitochondrial; CI 10k; complex I 10kDa subunit; complex I-9kD; renal carcinoma antigen NY-REN-4; NADH-ubiquinone oxidoreductase 9 kD subunit; NADH-ubiquinone oxidoreductase 9 kDa subunit; mitochondrial NADH oxidoreductase-like protein; NADH-ubiquinone oxidoreductase flavoprotein 3, 10kD; complex I, mitochondrial respiratory chain, 10-kD subunit; CI-10k; CI-9KD;
Gene ID	4731
mRNA Refseq	NM_001001503
Protein Refseq	NP_001001503
MIM	602184
UniProt ID	P56181
Chromosome Location	21q22.3

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Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	NADH dehydrogenase (ubiquinone) activity;

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