Recombinant Human NDUFC2 293 Cell Lysate

Cat. No. NDUFC2-3899HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa (NDUFC2) 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	NDUFC2 NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa [Homo sapiens]
Official Symbol	NDUFC2
Synonyms	NDUFC2; NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa; NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2 (14.5kD, B14.5b); NADH dehydrogenase [ubiquinone] 1 subunit C2; B14.5b; complex I subunit B14.5b; HLC 1; human lung cancer oncogene 1; complex I-B14.5b; human lung cancer oncogene 1 protein; NADH-ubiquinone oxidoreductase subunit B14.5b; HLC-1; NADHDH2; CI-B14.5b;
Gene ID	4718
mRNA Refseq	NM_001204054
Protein Refseq	NP_001190983
MIM	603845
UniProt ID	O95298
Chromosome Location	11q14.1

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

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