Recombinant Human NDUFA12 293 Cell Lysate

Cat. No. NDUFA12-3923HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 (NDUFA12) 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	NDUFA12 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12 [Homo sapiens (human)]
Official Symbol	NDUFA12
Synonyms	NDUFA12; B17.2; DAP13; NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12; NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12; CI-B17.2; complex I B17.2 subunit; 13 kDa differentiation-associated protein; NADH-ubiquinone oxidoreductase subunit B17.2; EC 1.6.5.3; EC 1.6.99.3
Gene ID	55967
mRNA Refseq	NM_001258338
Protein Refseq	NP_001245267
MIM	614530
UniProt ID	Q9UI09
Chromosome Location	12q22
Pathway	Alzheimer's disease; Electron Transport Chain; Huntington's disease

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Function	NADH dehydrogenase (ubiquinone) activity; NADH dehydrogenase activity; electron carrier activity

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