Recombinant Human DHODH 293 Cell Lysate

Cat. No. DHODH-6944HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for dihydroorotate dehydrogenase (DHODH), nuclear gene encoding mitochondrial protein 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	DHODH dihydroorotate dehydrogenase (quinone) [Homo sapiens]
Official Symbol	DHODH
Synonyms	DHODH; dihydroorotate dehydrogenase (quinone); dihydroorotate dehydrogenase; dihydroorotate dehydrogenase (quinone), mitochondrial; dihydroorotate oxidase; human complement of yeast URA1; URA1; POADS; DHOdehase;
Gene ID	1723
mRNA Refseq	NM_001361
Protein Refseq	NP_001352
MIM	126064
UniProt ID	Q02127
Chromosome Location	16q22
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Pyrimidine biosynthesis, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine

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	metabolism, conserved biosystem;
Function	dihydroorotate dehydrogenase activity; dihydroorotate dehydrogenase activity; dihydroorotate oxidase activity; oxidoreductase activity;

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