Recombinant Human DHRS9 293 Cell Lysate

Cat. No. DHRS9-6934HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for dehydrogenase/reductase (SDR family) member 9 (DHRS9), transcript variant 2 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	DHRS9 dehydrogenase/reductase (SDR family) member 9 [Homo sapiens]
Official Symbol	DHRS9
Synonyms	DHRS9; dehydrogenase/reductase (SDR family) member 9; dehydrogenase/reductase SDR family member 9; 3 alpha hydroxysteroid dehydrogenase; 3alpha HSD; NADP dependent retinol dehydrogenase/reductase; RDH15; RDHL; retinol dehydrogenase homolog; RETSDR8; SDR9C4; short chain dehydrogenase/reductase family 9C; member 4; RDH-E2; 3-alpha-HSD; 3-alpha hydroxysteroid dehydrogenase; short-chain dehydrogenase/reductase retSDR8; NADP-dependent retinol dehydrogenase/reductase; short chain dehydrogenase/reductase family 9C, member 4; RDHTBE; 3ALPHA-HSD;
Gene ID	10170
mRNA Refseq	NM_001142270
Protein Refseq	NP_001135742
MIM	612131
UniProt ID	Q9BPW9
Chromosome Location	2q31.1

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Pathway	Metabolic pathways, organism-specific biosystem; Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; retinol biosynthesis, conserved biosystem; retinol biosynthesis, organism-specific biosystem; the visual cycle, conserved biosystem; the visual cycle, organism-specific biosystem;
Function	alcohol dehydrogenase (NAD) activity; nucleotide binding; oxidoreductase activity; racemase and epimerase activity; retinol dehydrogenase activity; testosterone dehydrogenase (NAD+) activity;

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