

Recombinant Human DHRS4 293 Cell Lysate

Cat. No. DHRS4-6936HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for dehydrogenase/reductase (SDR family) member 4 (DHRS4) 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

DHRS4 dehydrogenase/reductase (SDR family) member 4 [Homo sapiens]

Official Symbol

DHRS4

Synonyms

DHRS4; dehydrogenase/reductase (SDR family) member 4; dehydrogenase/reductase SDR family member 4; FLJ11008; humNRDR; SCAD SRL; SDR SRL; SDR25C2; short chain dehydrogenase/reductase family 25C; member 2; NADP-dependent retinol dehydrogenase; peroxisomal short-chain alcohol dehydrogenase; NADPH-dependent retinol dehydrogenase/reductase; short-chain dehydrogenase/reductase family member 4; dehydrogenase/reductase (SDR family) member 4 like 2A; short chain dehydrogenase/reductase family 25C, member 1; short chain dehydrogenase/reductase family 25C, member 2; NADPH-dependent carbonyl reductase/NADP-retinol dehydrogenase; CR; NRDR; PHCR; PSCD; SDR-SRL; SDR25C1; SCAD-SRL;

Gene ID

10901

mRNA Refseq

NM_021004

Protein Refseq

NP_066284

MIM

611596

UniProt ID

Q9BTZ2

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Chromosome Location	14q11.2
Pathway	Metabolic pathways, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem; Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem;
Function	3-keto sterol reductase activity; alcohol dehydrogenase [NAD(P)+] activity; carbonyl reductase (NADPH) activity; nucleotide binding; oxidoreductase activity; oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor;