Recombinant Human SDR16C5 293 Cell Lysate

Cat. No. SDR16C5-2007HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for short chain dehydrogenase/reductase family 16C, member 5 (SDR16C5) 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.
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

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	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SDR16C5 short chain dehydrogenase/reductase family 16C, member 5 [Homo sapiens]
Official Symbol	SDR16C5
Synonyms	SDR16C5; short chain dehydrogenase/reductase family 16C, member 5; epidermal retinol dehydrogenase 2; RDH E2; RDHE2; EPHD-2; retSDR2; epidermal retinal dehydrogenase 2; retinal short chain dehydrogenase reductase; retinal short-chain dehydrogenase reductase 2; short-chain dehydrogenase/reductase family 16C member 5; RDH#2; RDH-E2; FLJ33105;
Gene ID	195814
mRNA Refseq	NM_138969
Protein Refseq	NP_620419
MIM	608989
UniProt ID	Q8N3Y7
Chromosome Location	8q12.1
Pathway	Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; retinoate biosynthesis I, conserved biosystem; retinoate biosynthesis I, organism-specific biosystem;

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Function	nucleotide binding; oxidoreductase activity; retinol dehydrogenase activity;

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