Recombinant Human SDR16C5 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

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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	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

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	biosystem; retinoate biosynthesis I, conserved biosystem; retinoate biosynthesis I, organism-specific biosystem;
Function	nucleotide binding; oxidoreductase activity; retinol dehydrogenase activity;

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