

Recombinant Human HSD17B2 293 Cell Lysate

Cat. No. HSD17B2-5375HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for hydroxysteroid (17-beta) dehydrogenase 2 (HSD17B2) 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

 Tel: 1-631-559-9269 1-516-512-3133

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

GENE INFORMATION

Gene Name [HSD17B2 hydroxysteroid \(17-beta\) dehydrogenase 2 \[Homo sapiens \]](#)

Official Symbol HSD17B2

Synonyms HSD17B2; hydroxysteroid (17-beta) dehydrogenase 2; estradiol 17-beta-dehydrogenase 2; HSD17; SDR9C2; short chain dehydrogenase/reductase family 9C; member 2; E2DH; 20-alpha-HSD; 17-beta-HSD 2; testosterone 17-beta-dehydrogenase; 20 alpha-hydroxysteroid dehydrogenase; 17-beta-hydroxysteroid dehydrogenase type 2; microsomal 17-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 9C, member 2; EDH17B2;

Gene ID [3294](#)

mRNA Refseq [NM_002153](#)

Protein Refseq [NP_002144](#)

MIM [109685](#)

UniProt ID [P37059](#)

Chromosome Location 16q24.1-q24.2

Pathway Metabolic pathways, organism-specific biosystem; Steroid Biosynthesis, organism-specific biosystem; Steroid hormone biosynthesis, organism-specific biosystem; Steroid hormone biosynthesis, conserved biosystem;

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Function

17-alpha,20-alpha-dihydroxypregn-4-en-3-one dehydrogenase activity; estradiol 17-beta-dehydrogenase activity; nucleotide binding; oxidoreductase activity; testosterone 17-beta-dehydrogenase (NAD+) activity;

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