Recombinant Human HSD17B2 293 Cell Lysate

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

SPECIFICATION

Product Overview	
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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	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-

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	specific biosystem; Steroid hormone biosynthesis, organism-specific biosystem; Steroid hormone biosynthesis, conserved biosystem;
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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