

## Recombinant Human HSD17B8 293 Cell Lysate

**Cat. No.** HSD17B8-5371HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for hydroxysteroid (17-beta) dehydrogenase 8 (HSD17B8) 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

<b>Gene Name</b>	HSD17B8 hydroxysteroid (17-beta) dehydrogenase 8 [ Homo sapiens ]
<b>Official Symbol</b>	HSD17B8
<b>Synonyms</b>	HSD17B8; hydroxysteroid (17-beta) dehydrogenase 8; FabG (beta ketoacyl [acyl carrier protein] reductase, E coli) like (E. coli) , FABGL; estradiol 17-beta-dehydrogenase 8; D6S2245E; H2 KE6; HKE6; KE6; RING2; SDR30C1; short chain dehydrogenase/reductase family 30C; member 1; ke-6; protein Ke6; 17-beta-HSD 8; estrogen 17-oxidoreductase; testosterone 17-beta-dehydrogenase 8; really interesting new gene 2 protein; 17-beta-hydroxysteroid dehydrogenase 8; 3-oxoacyl-[acyl-carrier-protein] reductase; short chain dehydrogenase/reductase family 30C, member 1; FABG; FABGL; H2-KE6; dJ1033B10.9;
<b>Gene ID</b>	7923
<b>mRNA Refseq</b>	NM_014234
<b>Protein Refseq</b>	NP_055049
<b>MIM</b>	601417
<b>UniProt ID</b>	Q92506
<b>Chromosome Location</b>	6p21.3
<b>Pathway</b>	Metabolic pathways, organism-specific biosystem; Steroid hormone biosynthesis,

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

**Function**

3-hydroxyacyl-CoA dehydrogenase activity; estradiol 17-beta-dehydrogenase activity; nucleotide binding; oxidoreductase activity; protein binding; testosterone 17-beta-dehydrogenase (NAD+) activity;

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