

Recombinant Human HSD17B3 293 Cell Lysate

Cat. No. HSD17B3-5374HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for hydroxysteroid (17-beta) dehydrogenase 3 (HSD17B3) 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

[HSD17B3 hydroxysteroid \(17-beta\) dehydrogenase 3 \[Homo sapiens \]](#)

Official Symbol

HSD17B3

Synonyms

HSD17B3; hydroxysteroid (17-beta) dehydrogenase 3; testosterone 17-beta-dehydrogenase 3; SDR12C2; short chain dehydrogenase/reductase family 12C; member 2; 17-beta-HSD3; 17-beta-HSD 3; 17-beta-hydroxysteroid dehydrogenase type 3; testicular 17-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 12C, member 2; EDH17B3;

Gene ID

[3293](#)

mRNA Refseq

[NM_000197](#)

Protein Refseq

[NP_000188](#)

MIM

[605573](#)

UniProt ID

[P37058](#)

**Chromosome
Location**

9q22

Pathway

Androgen biosynthesis, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids

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and lipoproteins, organism-specific biosystem; Metabolism of steroid hormones and vitamins A and D, organism-specific biosystem; Steroid Biosynthesis, organism-specific biosystem; Steroid hormone biosynthesis, organism-specific biosystem;

Function

estradiol 17-beta-dehydrogenase activity; nucleotide binding; oxidoreductase activity; testosterone 17-beta-dehydrogenase (NAD⁺) activity; testosterone 17-beta-dehydrogenase (NADP⁺) activity;

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