

Recombinant Human HSD3B7 293 Cell Lysate

Cat. No. HSD3B7-5368HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7 (HSD3B7), transcript variant 1 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 HSD3B7 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7 [Homo sapiens]

Official Symbol HSD3B7

Synonyms HSD3B7; hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7; 3 beta-hydroxysteroid dehydrogenase type 7; C(27) 3BETA HSD; SDR11E3; short chain dehydrogenase/reductase family 11E; member 3; 3-beta-HSD VII; C(27)-3BETA-HSD; c(27) 3-beta-HSD; 3 beta-hydroxysteroid dehydrogenase type VII; 3 beta-hydroxy-delta 5-C27-steroid oxidoreductase; 3-beta-hydroxy-Delta(5)-C27 steroid oxidoreductase; cholest-5-ene-3-beta,7-alpha-diol 3-beta-dehydrogenase; short chain dehydrogenase/reductase family 11E, member 3; CBAS1; PFIC4;

Gene ID 80270

mRNA Refseq NM_025193

Protein Refseq NP_079469

MIM 607764

UniProt ID Q9H2F3

Chromosome 16p11.2

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Location	
Pathway	Bile acid and bile salt metabolism, organism-specific biosystem; Bile acid biosynthesis, cholesterol =>cholate, organism-specific biosystem; Bile acid biosynthesis, cholesterol => cholate, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	3-beta-hydroxy-delta5-steroid dehydrogenase activity; 3-beta-hydroxy-delta5-steroid dehydrogenase activity; cholest-5-ene-3-beta,7-alpha-diol 3-beta-dehydrogenase activity; nucleotide binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor;

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