Recombinant Human HSD11B1 293 Cell Lysate

Cat. No. HSD11B1-5381HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for hydroxysteroid (11-beta) dehydrogenase 1 (HSD11B1), transcript variant 2 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	HSD11B1 hydroxysteroid (11-beta) dehydrogenase 1 [Homo sapiens]
Official Symbol	HSD11B1
Synonyms	HSD11B1; hydroxysteroid (11-beta) dehydrogenase 1; HSD11, HSD11B; corticosteroid 11-beta-dehydrogenase isozyme 1; SDR26C1; short chain dehydrogenase/reductase family 26C; member 1; short chain dehydrogenase/reductase family 26C, member 1; HDL; 11-DH; HSD11; HSD11B; HSD11L; 11-beta-HSD1; MGC13539;
Gene ID	3290
mRNA Refseq	NM_181755
Protein Refseq	NP_861420
MIM	600713
UniProt ID	P28845
Chromosome Location	1q32-q41
Pathway	C21-Steroid hormone biosynthesis, progesterone =>cortisol/cortisone, organism-specific biosystem; C21-Steroid hormone biosynthesis, progesterone =>

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	cortisol/cortisone, conserved biosystem; Glucocorticoid andamp; Mineralcorticoid Metabolism, organism-specific biosystem;
Function	11-beta-hydroxysteroid dehydrogenase (NADP+) activity; 11-beta-hydroxysteroid dehydrogenase [NAD(P)] activity; nucleotide binding; oxidoreductase activity;

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