

Recombinant Human HSD11B2 293 Cell Lysate

Cat. No. HSD11B2-5378HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for hydroxysteroid (11-beta) dehydrogenase 2 (HSD11B2) 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 [HSD11B2 hydroxysteroid \(11-beta\) dehydrogenase 2 \[Homo sapiens \]](#)

Official Symbol HSD11B2

Synonyms HSD11B2; hydroxysteroid (11-beta) dehydrogenase 2; corticosteroid 11-beta-dehydrogenase isozyme 2; SDR9C3; short chain dehydrogenase/reductase family 9C; member 3; 11-DH2; 11-beta-HSD2; -HSD11 type II; 11-beta-hydroxysteroid dehydrogenase type 2; 11-beta-hydroxysteroid dehydrogenase type II; NAD-dependent 11-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 9C member 3; AME; AME1; HSD2; HSD11K;

Gene ID [3291](#)

mRNA Refseq [NM_000196](#)

Protein Refseq [NP_000187](#)

MIM [614232](#)

UniProt ID [P80365](#)

Chromosome Location 16q22

Pathway Aldosterone-regulated sodium reabsorption, organism-specific biosystem;

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Aldosterone-regulated sodium reabsorption, conserved biosystem; C21-Steroid hormone biosynthesis, progesterone =>cortisol/cortisone, organism-specific biosystem; C21-Steroid hormone biosynthesis, progesterone => cortisol/cortisone, conserved biosystem; Glucocorticoid and

Function

11-beta-hydroxysteroid dehydrogenase [NAD(P)] activity; NAD binding; oxidoreductase activity; steroid binding;

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