Recombinant Mouse Hsd11b1 Protein, His-tagged

Cat. No. Hsd11b1-1636M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hsd11b1 Protein (Met2-Asn292) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met2-Asn292
Description	Enables 11-beta-hydroxysteroid dehydrogenase (NADP+) activity. Acts upstream of or within lung development. Predicted to be located in apical part of cell; nuclear membrane; and rough endoplasmic reticulum. Predicted to be integral component of endoplasmic reticulum membrane. Is expressed in several structures, including alimentary system; cardiovascular system; genitourinary system; nervous system; and sensory organ. Used to study cortisone reductase deficiency 2. Human ortholog(s) of this gene implicated in cortisone reductase deficiency; cortisone reductase deficiency 2; and obesity. Orthologous to human HSD11B1 (hydroxysteroid 11-beta dehydrogenase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.0 kDa Accurate Molecular Mass: 34 kDa
Purity	> 90%

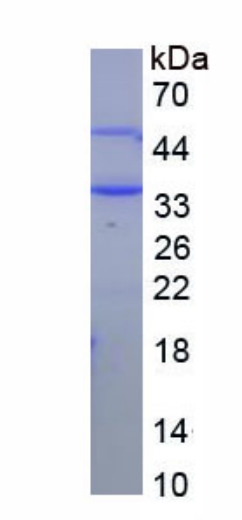
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Hsd11b1 hydroxysteroid 11-beta dehydrogenase 1 [Mus musculus (house mouse)]
Official Symbol	Hsd11b1
Synonyms	HSD11B1; hydroxysteroid 11-beta dehydrogenase 1; corticosteroid 11-beta-dehydrogenase isozyme 1; 11-DH; 11-beta-HSD1; 11beta-HSD-1; 11beta-HSD1A; 11-beta-hydroxysteroid dehydrogenase 1; 11beta-hydroxysteroid dehydrogenase type 1; Corticosteroid 11-beta-dehydrogenase, isozyme 1 (11-DH) (11-beta-hydroxysteroid dehydrogenase 1) (11-beta-HSD1) (11beta-HSD1A);
Gene ID	15483
mRNA Refseq	NM_001044751

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

Protein Refseq	NP_001038216
UniProt ID	P50172
	

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