

Recombinant Mouse Cyp11b1 Protein, His&SUMO-tagged

Cat. No. Cyp11b1-889M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cyp11b1 Protein (Met1-Asn501) with His&SUMO tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Asn501
Description	Enables corticosterone 18-monooxygenase activity. Acts upstream of or within glucocorticoid biosynthetic process. Located in mitochondrion. Is expressed in adrenal gland; gland; lung; and testis. Used to study congenital adrenal hyperplasia. Human ortholog(s) of this gene implicated in several diseases, including congenital adrenal hyperplasia; corticosterone methyloxidase deficiency 1; diabetes mellitus (multiple); hypertension (multiple); and primary hyperaldosteronism (multiple). Orthologous to human CYP11B1 (cytochrome P450 family 11 subfamily B member 1) and CYP11B2 (cytochrome P450 family 11 subfamily B member 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 71.4 kDa; Accurate Molecular Mass: 71 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Cyp11b1 steroid-11-beta-hydroxylase [Mus musculus (house mouse)]
Official Symbol	Cyp11b1
Synonyms	CYP11B1; steroid-11-beta-hydroxylase; Cyp11b; Cyp11b-1;
Gene ID	110115
mRNA Refseq	NM_001033229
Protein Refseq	NP_001028401
UniProt ID	Q3TG86

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