

Recombinant Mouse Srd5a1 Protein, His-tagged

Cat. No. Srd5a1-2099M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Srd5a1 Protein (Met1-Leu255) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Leu255
Description	Enables 3-oxo-5-alpha-steroid 4-dehydrogenase activity. Acts upstream of or within androgen biosynthetic process. Predicted to be located in several cellular components, including cell body fiber; neuronal cell body; and perinuclear region of cytoplasm. Is expressed in alimentary system; genitourinary system; hypothalamus; and liver. Human ortholog(s) of this gene implicated in prostate cancer and prostatic hypertrophy. Orthologous to human SRD5A1 (steroid 5 alpha-reductase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.3 kDa Accurate Molecular Mass: 57 kDa
Purity	> 97%
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	Srd5a1 steroid 5 alpha-reductase 1 [Mus musculus (house mouse)]
Official Symbol	Srd5a1
Synonyms	SRD5A1; steroid 5 alpha-reductase 1; Srd5a-1;
Gene ID	78925
mRNA Refseq	NM_175283
Protein Refseq	NP_780492
UniProt ID	Q68FF9

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