

Recombinant Human SRD5A2 Protein, His&GST-tagged

Cat. No. SRD5A2-2100H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRD5A2 Protein (His90-Phe254) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	His90-Phe254
Description	This gene encodes a microsomal protein expressed at high levels in androgen-sensitive tissues such as the prostate. The encoded protein is active at acidic pH and is sensitive to the 4-azasteroid inhibitor finasteride. Deficiencies in this gene can result in male pseudohermaphroditism, specifically pseudovaginal perineoscrotal hypospadias (PPSH).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 49.2 kDa Accurate Molecular Mass: 47 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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 PBS or others.

GENE INFORMATION

Gene Name

SRD5A2 steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2) [Homo sapiens (human)]

Official Symbol

SRD5A2

Synonyms

SRD5A2; steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2); 3-oxo-5-alpha-steroid 4-dehydrogenase 2; S5AR 2; SR type 2; 5 alpha-SR2; type II 5-alpha reductase; steroid 5-alpha-reductase 2; 3-oxo-5 alpha-steroid 4-dehydrogenase 2; MGC138457;

Gene ID

6716

mRNA Refseq

NM_000348

Protein Refseq

NP_000339

MIM

607306

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UniProt ID

P31213

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