

Recombinant Human SRD5A1 cell lysate

Cat. No. SRD5A1-1690HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Steroid 5-alpha-reductase (EC 1.3.99.5) catalyzes the conversion of testosterone into the more potent androgen, dihydrotestosterone (DHT). Also see SRD5A2 (MIM 607306).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SRD5A1 steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1) [Homo sapiens]
Official Symbol	SRD5A1
Synonyms	SRD5A1; steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1); 3-oxo-5-alpha-steroid 4-dehydrogenase 1; SR type 1; 5-alpha reductase; steroid 5-alpha-reductase 1; steroid 5-alpha-reductase type I; 3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1; S5AR 1;

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Gene ID	6715
mRNA Refseq	NM_001047
Protein Refseq	NP_001038
MIM	184753
UniProt ID	P18405
Chromosome Location	5p15.31
Pathway	Androgen biosynthesis, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Metabolism of steroid hormones and vitamins A and D, organism-specific biosystem; Steroid hormone biosynthesis, organism-specific biosystem; Steroid hormone biosynthesis, conserved biosystem; androgen biosynthesis, organism-specific biosystem;
Function	3-oxo-5-alpha-steroid 4-dehydrogenase activity; NADPH binding; amide binding; electron carrier activity; oxidoreductase activity, acting on the CH-CH group of donors;

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