

Recombinant Human SRD5A2

Cat. No. SRD5A2-31394TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SRD5A2 with an N terminal proprietary tag; Predicted MW 29.81kDa.
Species	Human
Source	Wheat Germ
ProteinLength	38 amino acids
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).
Molecular Weight	29.810kDa inclusive of tags
Tissue specificity	Expressed in high levels in the prostate and many other androgen-sensitive tissues.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	AKPSGYGKHTESLKPAATRLPARAAWFLQELPSFAVPA
Sequence Similarities	Belongs to the steroid 5-alpha reductase family.
GENE INFORMATION	
Gene Name	SRD5A2 steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2) [Homo sapiens]
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;
Gene ID	6716
mRNA Refseq	NM_000348
Protein Refseq	NP_000339
Uniprot ID	P31213
Chromosome Location	2p23.1
Pathway	Androgen biosynthesis, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Metabolism of steroid hormones and

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vitamins A and D, organism-specific biosystem; Prostate cancer, organism-specific biosystem; Prostate cancer, conserved biosystem;

Function

3-oxo-5-alpha-steroid 4-dehydrogenase activity; sterol 5-alpha reductase activity;

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