

# Product Information

## MemDX™ Membrane Protein Human SRD5A1 (Steroid 5 alpha-reductase 1) for Antibody

### Discovery

Cat. No.: **MP1292X**

This product is for research use only and is not intended for diagnostic use.

This product is a 54.23 kDa Human SRD5A1 membrane protein expressed in *In vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

SRD5A1

#### Protein Length

Full-length

#### Molecular Weight

54.23 kDa

#### TMD

5

#### Sequence

MATATGVAEERLLAALAYLQCAVGCAVFARNRQTNSVYGRHALPSHRLRVPARAAWVVQELPSLALPLYQYASESAPRLRSAPNC

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Protein Format

Liposome

#### Form

Liquid

**Purification**

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

SRD5A1

**Full Name**

Steroid 5 alpha-reductase 1

**Introduction**

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).

**Alternative Names**

S5AR 1; 3-oxo-5-alpha-steroid 4-dehydrogenase 1; SR type 1; steroid 5-alpha-reductase type I; steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)

**Gene ID**

[6715](#)

**UniProt ID**

[P18405](#)