

Human 3-oxo-5-alpha-steroid 4-dehydrogenase 2 (SRD5A2) ELISA Kit | SRD5A2 elisa kit

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CATALOG #
AAA330573

REACTIVITY
Human

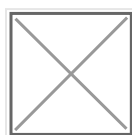
PRODUCT SYNONYMS

3-oxo-5-alpha-steroid 4-dehydrogenase 2 (SRD5A2); Human 3-oxo-5-alpha-steroid 4-dehydrogenase 2 (SRD5A2) ELISA Kit; SRD5A2; MGC138457; 3-oxo-5 alpha-steroid 4-dehydrogenase 2; steroid 5-alpha-reductase 2; SRD5A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	254
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SRD5A2 elisa kit

Principle of the Assay: Human 3-oxo-5-Alpha-Steroid 4-Dehydrogenase 2 (SRD5A2) ELISA Kit employs a two-site sandwich ELISA to quantitate SRD5A2 in samples. An antibody specific for SRD5A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SRD5A2 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human SRD5A2 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of SRD5A2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: 3-oxo-5alpha-steroid 4-dehydrogenase 2 is an enzyme that in humans is encoded by the SRD5A2 gene. It is one of three isozymes of 5alpha-reductase. 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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	39812447
NCBI GeneID	6716
NCBI Accession #	NP_000339.2
NCBI GenBank Nucleotide #	NP_000339.2
UniProt Accession #	P31213

NCBI Official Full Name	3-oxo-5-alpha-steroid 4-dehydrogenase 2
NCBI Official Synonym Full Names	steroid 5 alpha-reductase 2
NCBI Official Symbol	SRD5A2
NCBI Protein Information	3-oxo-5-alpha-steroid 4-dehydrogenase 2
UniProt Protein Name	3-oxo-5-alpha-steroid 4-dehydrogenase 2
UniProt Gene Name	SRD5A2
UniProt Synonym Gene Names	S5AR 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/3-oxo-5-alpha-steroid-4-dehydrogenase-2-srd5a2/330573>