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Product Information

MemDX™ Membrane Protein Human HSD3B2 (Hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2) for Antibody Discovery

Cat. No.: **MP0766J**
This product is for research use only and is not intended for diagnostic use.

This product is a 41.9 kDa Human HSD3B2 membrane protein expressed in HEK293T. 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
HSD3B2

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
41.9 kDa

TMD
1

Sequence
MGWSCLVTGAGGLLGQRIVRLLVEEKELKEIRALDKAFRPELREEFSKLQNRTKLTVLEGDILDEPFLKR
ACQDVSVVIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASVPVFIYTSSIEVAGPNSYKEIIQNG
HEEEPLENTWPTPYPYSKKLAEKAVLAANGWNLKNGDTLYTCALRPTYIYGEGGPFLSASINEALNNNGI
LSSVGKFSTVNPVYVGNVAWAHILALRALRDPKKAPSVRGQFYYISDDTPHQSYDNLNYILSKEFGLRLD
SRWSLPLTLMYWIGFLLEVVSFLLSPIYSYQPPFNRHTVTLSNSVFTFSYKKAQRDLAYKPLYSWEEAKQ
KTVEWVGSLVDRHKETLKSKTQ

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

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Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

Target

Target Protein

HSD3B2

Full Name

Hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2

Introduction

The protein encoded by this gene is a bifunctional enzyme that catalyzes the oxidative conversion of delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. It plays a crucial role in the biosynthesis of all classes of hormonal steroids. This gene is predominantly expressed in the adrenals and the gonads. Mutations in this gene are associated with 3-beta-hydroxysteroid dehydrogenase, type II, deficiency. Alternatively spliced transcript variants have been found for this gene.

Alternative Names

HSD3B; HSDB; SDR11E2

Gene ID

3284

UniProt ID

P26439

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