

Product datasheet for TP304497

OriGene Technologies, Inc.

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HSD3B1 (NM 000862) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid

delta-isomerase 1 (HSD3B1), 20 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC204497 protein sequence

or AA Sequence: Red=Cloning site Green=Tags(s)

MTGWSCLVTGAGGFLGQRIIRLLVKEKELKEIRVLDKAFGPELREEFSKLQNKTKLTVLEGDILDEPFLK RACQDVSVIIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASVPVFIYTSSIEVAGPNSYKEIIQN GHEEPLENTWPAPYPHSKKLAEKAVLAANGWNLKNGGTLYTCALRPMYIYGEGSRFLSASINEALNNNG ILSSVGKFSTVNPVYVGNVAWAHILALRALQDPKKAPSIRGQFYYISDDTPHQSYDNLNYTLSKEFGLRL DSRWSFPLSLMYWIGFLLEIVSFLLRPIYTYRPPFNRHIVTLSNSVFTFSYKKAQRDLAYKPLYSWEEAK

QKTVEWVGSLVDRHKENLKSKTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 42.1 kDa

Concentration: >0.05 μg/μL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 000853





Locus ID: 3283

UniProt ID:P14060RefSeq Size:1689Cytogenetics:1p12RefSeq ORF:1119

Synonyms: 3BETAHSD; HSD3B; HSDB3; HSDB3A; SDR11E1

Summary: The protein encoded by this gene is an enzyme that catalyzes the oxidative conversion of

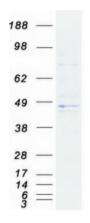
delta-5-3-beta-hydroxysteroid precursors into delta-4-ketosteroids, which leads to the production of all classes of steroid hormones. The encoded protein also catalyzes the interconversion of 3-beta-hydroxy- and 3-keto-5-alpha-androstane steroids. [provided by

RefSeq, Jun 2016]

Protein Families: Transmembrane

Protein Pathways: Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified HSD3B1 protein (Cat# TP304497). The protein was produced from HEK293T cells transfected with HSD3B1 cDNA clone (Cat# [RC204497]) using

MegaTran 2.0 (Cat# [TT210002]).