

## **Product datasheet for TP304497L**

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## 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), 1 mg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC204497 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MTGWSCLVTGAGGFLGQRIIRLLVKEKELKEIRVLDKAFGPELREEFSKLQNKTKLTVLEGDILDEPFLK RACQDVSVIIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASVPVFIYTSSIEVAGPNSYKEIIQN GHEEEPLENTWPAPYPHSKKLAEKAVLAANGWNLKNGGTLYTCALRPMYIYGEGSRFLSASINEALNNNG 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

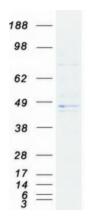
delta-5-3-beta-hydroxysteroid precursors into delta-4-ketosteroids, which leads to the production of all classes of steroid hormones. The encoded protein also catalyzes the interconversion of 3-beta-hydroxy- and 3-keto-5-alpha-androstane steroids. [provided by

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