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Product datasheet for TP304497

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 or AA Sequence:	>RC204497 protein 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

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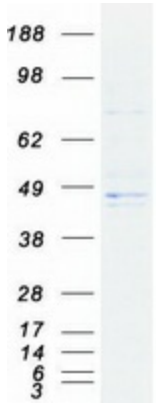
Locus ID:	3283
UniProt ID:	P14060
RefSeq Size:	1689
Cytogenetics:	1p12
RefSeq ORF:	1119
Synonyms:	3BETAHSD; HSD3B; HSDB3; HSDB3A; SDR11E1
Summary:	The protein encoded by this gene is an enzyme that catalyzes the oxidative conversion of delta-5-3-beta-hydroxysteroid precursors into delta-4-ketosteroids, 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]).

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