

Product datasheet for PH304497

HSD3B1 (NM_000862) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSD3B1 MS Standard C13 and N15-labeled recombinant protein (NP_000853)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204497
Predicted MW:	42.3 kDa
Protein Sequence:	>RC204497 protein sequence Red=Cloning site Green=Tags(s) MTGWSCLVTGAGGFLGQRIIRLLVKEKELKEIRVLDKAFGPELREEFSKLQNKTKLTVLEGDILDEPFLK RACQDVSVIIHTACIIDVFGVTHRESIMNVNKGTLQLLEACVQASVPVFIYTSSIEVAGPNSYKEIIQN GHEEEPLENTWPAPYPHSHKLAEKAVLAANGWNLKNGGTYTCALRPMYIYGEGSRFLSASINEALNNG ILSSVKGKSTVNPVYVGNVAWAHILALRALQDPKAPSIRGQFYYSDDTPHQSYDNLNYLTKSKEFGLRL DSRWSFPLSLMYWIGFLLLEIVSFLLRPIYTYRPPFNRHIVLTSNSVFTFSYKKAQRDLAYKPLYSWEEAK QKTVEWVGS�VDRHKENLKSQTQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000853
RefSeq Size:	1689
RefSeq ORF:	1119
Synonyms:	3BETAHSD; HSD3B; HSDB3; HSDB3A; SDR11E1
Locus ID:	3283



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UniProt ID: [P14060](#)

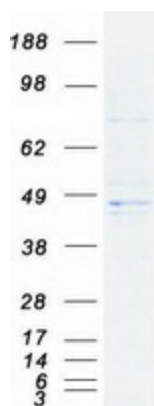
Cytogenetics: 1p12

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]).