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Product datasheet for PH306593

HSD3B2 (NM_000198) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSD3B2 MS Standard C13 and N15-labeled recombinant protein (NP_000189)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206593
Predicted MW:	42.1 kDa
Protein Sequence:	>RC206593 protein sequence Red=Cloning site Green=Tags(s) MGWSCLVTGAGGLLGQRIVRLLVEEKELKEIRALDKAFRPELREEFSKLQNRTKLTVLEGDILDEPFLKR ACQDVSVVIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASVPVFIYTSSIEVAGPNSYKEIIQNG HEEEPLENTWPTPYPYSKKLAEKAVLAANGWNLKNGDTLYTCALRPTYIYGEGGPFLSASINEALNNNGI LSSVGKFSTVNPVYVGNVAWAHILALRALRDPKKAPSVRGQFYYISDDTPHQSYDNLNYILSKEFGLRLD SRWSLPLTLMYWIGFLLEVVSFLLSPIYSYQPPFNRHTVTLSNSVFTFSYKKAQRDLAYKPLYSWEEAKQ KTVEWVGSLVDRHKETLKSKTQ 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_000189
RefSeq Size:	1730
RefSeq ORF:	1116
Synonyms:	HSD3B; HSDB; SDR11E2
Locus ID:	3284

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UniProt ID: P26439, A0A024R0F9

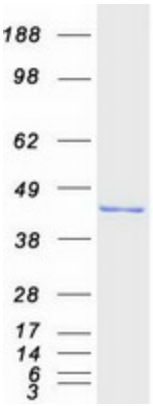
Cytogenetics: 1p12

Summary: 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. [provided by RefSeq, Oct 2009]

Protein Families: Druggable Genome, Transmembrane

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

Product images:



Coomassie blue staining of purified HSD3B2 protein (Cat# [TP306593]). The protein was produced from HEK293T cells transfected with HSD3B2 cDNA clone (Cat# [RC206593]) using MegaTran 2.0 (Cat# [TT210002]).