

## Product datasheet for **TP328855L**

### **HSD3B2 (NM\_001166120) 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 2 (HSD3B2), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC228855 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MGWSCLVTGAGLLGQRIVRLLVEEKELKEIRALDKAFRPELREEFSKLQNRKLTVLEGDILDEPFLKR ACQDVSVIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASVPVFIYTSSIEVAGPNSYKEIIQNG HEEPLNTWPTPYPSKLAEKAVLAANGWNLKNGDLYTCALRPTYIYGEGGPFLSASINEALNNGI LSSVGKFSTVNPVYVGNVAWAHILALRALRDPKAPSVRGQFYIYSDDTPHQSYDNLNYILSKEFGLRLD SRWSLPLTLMYWIGFLEWVSFLLSPIYSYQPPFNRHTVTLNSVFTFSYKKAQRDLAYKPLYSWEEAKQ KTVEWVGS�VDRHKETLKSQTQ  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	41.9 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:	NULL or Add: Recombinant proteins 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:	<u><a href="#">NP_001159592</a></u>



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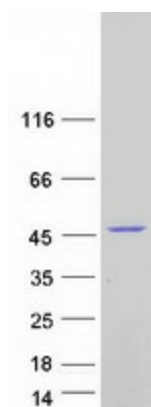
Locus ID: 3284  
UniProt ID: [P26439](#), [A0A024R0F9](#)  
RefSeq Size: 1807  
Cytogenetics: 1p12  
RefSeq ORF: 1116  
Synonyms: HSD3B; HSDB; SDR11E2

**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# [TP328855]). The protein was produced from HEK293T cells transfected with HSD3B2 cDNA clone (Cat# [RC228855]) using MegaTran 2.0 (Cat# [TT210002]).