

Product datasheet for SC119611

HSD3B1 (NM_000862) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSD3B1 (NM_000862) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSD3B1
Synonyms:	3BETAHSD; HSD3B; HSDB3; HSDB3A; SDR11E1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119611 sequence for NM_000862 edited (data generated by NextGen Sequencing)

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ATGACGGGCTGGAGCTGCCTTGTGACAGGAGCAGGAGGGTTTCTGGGACAGAGGATCATC
CGCCTCTTGGTGAAGGAGAAGGAGCTGAAGGAGATCAGGGTCTTGACAAGGCCTTCGGA
CCAGAATTGAGAGAGGAATTTCTAAACTCCAGAACAAGACCAAGCTGACAGTGCTGGAA
GGAGACATTCTGGATGAGCCATTCTGAAGAGAGCCTGCCAGGACGTCTCGGTCATCATC
CACACCGCCTGTATCATTGATGTCTTCGGTGCACTCACAGAGAGTCTATCATGAATGTC
AATGTGAAAGGTACCCAGCTCCTGTTAGAGGCCTGTGTCCAAGCTAGTGTGCCAGTCTTC
ATCTACACCAAGTAGCATAGAGGTAGCCGGGCCAACTCCTACAAGGAAATCATCCAGAAT
GGCCATGAAGAAGAGCCTCTGAAAAACACATGGCCCGCTCCATACCCACACAGCAAAAAG
CTTGCTGAGAAGGCTGTACTGGCGGCTAACGGGTGGAATCTGAAAAACGGCGGCACCCCTG
TACACTTGTGCCTTACGACCCATGTATATCTATGGGGAAGGAAGCCGATTCTTTCTGCT
AGTATAAACGAGGCCCTGAACAACAATGGGATCCTGTCAAGTGTGGAAAGTTCTCCACT
GTAAACCCAGTCTATGTTGGCAATGTGGCCTGGGCCACATTCTGGCCTTGAGGGCCCTG
CAGGACCCCAAGAAGGCCCAAGCATCCGAGGACAGTTCTACTATATCTCAGATGACACG
CCTCACCAAAGCTATGATAACCTTAATTACACCCTGAGCAAAGAGTTCGGCCTCCGCCTT
GATTCAGATGGAGCTTTCCTTTATCCCTGATGTATTGGATTGGCTTCTGCTGGAATA
GTGAGCTTCTACTCAGGCCAATTTACACCTATCGACCGCCCTTCAACCGCCACATAGTC
ACATTGTCAAATAGCGTATTCACCTTCTTTATAAGAAGGCTCAGCGAGATTTGGCGTAT
AAGCCACTCTACAGCTGGGAGGAAGCCAAGCAGAAAACGGTGGAGTGGGTTGGTTCCCTT
GTGGACCGGCACAAGGAGAACCTGAAGTCCAAGACTCAGTGA

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Clone variation with respect to NM_000862.2
1012 c=>t;1100 c=>a



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_000862 unedited GGGCGGTCATAATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACCAGGCCCTC TCCGGGTACCCTAGNATCAGATCTGCTCCCCAGCATCTTCTGTTTCCTGGTGAGTGATT CCTGCTACTTTGGATGGCCATGACGGGCTGGAGCTGCCTTGTGACAGGAGCAGGAGGGTT TCTGGGACAGAGGATCATCCGCCTTTGGTGAAGGAGAAGGAGCTGAAGGAGATCAGGGT CTTGGACAAGGCCTTCGGACCAGAATTGAGAGAGGAATTTCTAACTCCAGAACAAGAC CAAGCTGACAGTCTGGAAGGAGACATTCTGGATGAGCCATTCTGAAGAGAGCCTGCCA GGACGTCTCGGTATCATCCACACCGCCTGTATCATTGATGTCTTCGGTGTCACTCACAG AGAGTCTATCATGAATGTCAATGTGAAAGGTACCCAGCTCCTGTTAGAGGCCTGTGTCCA AGCTAGTGTGCCAGTCTTCATCTACACCAGTAGCATAGAGGTAGCCGGGCCAACTCCTA CAAGGAAATCATCCAGAATGGCCATGAAGAAGAGCCTCTGAAAAACATGGCCCCTCC ATACCCACACAGCAAAAAGCTTGTGAGAAGGCTGTACTGGCGGTAACGGGTGGAATCT GAAAAACGGCGGCACCCTGTACACTTGTGCCTTACGACCCATGTATATCTATGGGGAAGG AAGCCGATTCCTTTCTGCTAGTATAAACGAGGCCCTGAACACAATGGGATCCTGTCAAGT GTNGGAAAAGTCTCCACTGTTAACCCAGTCTATGTTGGCAATGTGCCTGGGCCACATT CTGGCCTTGAGGNCCCCCTGCAGACCCCAAGGGCCAGCATNNCGAGACAGTTCTACT ATATCTCAGATGACACGCCTCACAAAGCT
Restriction Sites:	NotI-NotI
ACCN:	NM_000862
Insert Size:	1750 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_000862.1 , NP_000853.1
RefSeq Size:	1665 bp
RefSeq ORF:	1122 bp
Locus ID:	3283
UniProt ID:	P14060
Cytogenetics:	1p12
Domains:	3Beta_HSD
Protein Families:	Transmembrane

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

Gene 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]