

Product datasheet for **SC300022**

HSD17B3 (NM_000197) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSD17B3 (NM_000197) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSD17B3
Synonyms:	EDH17B3; SDR12C2
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000197 edited
GCCAGGGCTGAAACAGTCTGTTGAGTGCAGCCATGGGGGACGTCCTGGAACAGTTCTTCA
TCCTCACAGGGCTGCTGGTGTGCCTGGCCTGCCGGAAGTGCCTGAGATTCTCCAGAT
GTGTTTTACTGAACTACTGGAAAGTTTTGCCAAAGTCTTTCTTGCCTCAATGGGACAGT
GGGCAGTGATCACTGGAGCAGGCATGGAATTGGGAAAGCGTACTCGTTTCGAGCTAGCAA
AACGTGGACTCAATGTTGTCTTATTAGCCGGACGCTGGAAAACTAGAGGCCATTGCCA
CAGAGATCGAGCGGACTACAGGGAGGAGTGTGAAGATTATACAAGCAGATTTTACAAAAG
ATGACATCTACGAGCATATTAAGAAAACTTGCAGGCTTAGAAATTGGAATTTTAGTCA
ACAATGTCGGAATGCTTCCAAACCTTCCCAAGCCATTTCTGAACGCACCGGATGAAA
TCCAGAGCCTCATCCATTGTAACATCACCTCCGTAGTCAAGATGACACAGCTAATTCTGA
AACATATGGAATCAAGGCAGAAAGTCTCATCCTGAACATTTCTTCTGGGATAGCCCTGT
TTCTTGGCCTCTACTCCATGTACTCAGCTTCCAAGGCGTTTGTGTGCGCATTTTCCA
AGGCCCTGCAAGAGGAATATAAGCAAAAAGAGTCAATCCAGGTGCTGACCCCATATG
CTGTCTCGACTGCAATGACAAAGTATCTAAATACAAATGTGATAACCAAGACTGCTGATG
AGTTTGTCAAAGAGTCATTGAATTATGTACAATTGGAGGTGAAACCTGTGGCTGCCCTG
CCCATGAAATCTTGGCGGGCTTCTGAGCCTGATCCCGCCTGGGCTTCTACAGCGGTG
CCTTCCAAAGGCTGCTCCTGACACACTATGTGGCATACTGAAGCTCAACACCAAGGTCA
GGTAGCCAGGCGGTGAGGAGTCCAGCACAACCTTTTCTCACCAGTCCCATGCTGGCTGA
AGAGGACCAGAGGAGCAGACCAGCACTTCAACCTAGTCCGCTGAAGATGGAGGGGCTGG
GGTCACAGAGGCATAGAATACACATTTTTGCCACTTTAAAAAAAAAAAAAAAAAAAAA
AAAAA

Restriction Sites:	Please inquire
ACCN:	NM_000197
Insert Size:	1100 bp



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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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_000197.1.
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:	<u>NM_000197.1, NP_000188.1</u>
RefSeq Size:	1134 bp
RefSeq ORF:	933 bp
Locus ID:	3293
UniProt ID:	<u>P37058</u>
Cytogenetics:	9q22.32
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Androgen and estrogen metabolism, Metabolic pathways
Gene Summary:	This isoform of 17 beta-hydroxysteroid dehydrogenase is expressed predominantly in the testis and catalyzes the conversion of androstenedione to testosterone. It preferentially uses NADP as cofactor. Deficiency can result in male pseudohermaphroditism with gynecomastia. [provided by RefSeq, Jul 2008]