

Product datasheet for **SC118783**

HSD17B2 (NM_002153) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSD17B2 (NM_002153) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSD17B2
Synonyms:	EDH17B2; HSD17; SDR9C2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002153, the custom clone sequence may differ by one or more nucleotides

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ATGAGCACTTTCTCTCGGACACAGCATGGATCTGCCTGGCTGTCCCCACAGTACTATGTGGGACAGTAT
TTTGCAAATACAAGAAGAGCTCAGGGCAGCTGTGGAGCTGGATGGTCTGCCTGGCAGGCCTCTGTGCAGT
CTGCCTGCTCATCCTGTCCCTTTTTGGGGCTTGATCCTCTTCTCGGTGTCATGCTTCTCATGTATACT
TACTTATCTGGCCAAGAATTGTTACCTGTGGATCAGAAGGCAGTCTGGTGACAGGTGGTGATTGCGGGC
TTGGCCATGCTTTGTGCAAGTATCTGGATGAGCTGGGCTTCACGGTATTTGCCGGAGTTTGAATGAAAA
TGGCCCAGGAGCTGAGGAATTGCGAAGAACCTGCTCTCCGCGCCTCTCGGTGCTCCAATGGACATCAGC
AAGCCAGTGCAGATAAAAGATGCTTACAGCAAGTTGCAGCAATGCTGCAGGACAGAGGACTGTGGGCTG
TGATCAACAATGCTGGGGTGCTTGGCTTTCCAAGTATGAGGGAGCTTCTTCTTATGACTGACTACAAACA
ATGCATGGCCGTGAACCTCTTTGGAAGTGTGGAGGTCACAAAGACGTTTTTGCCTCTTCTTAGAAAATCC
AAAGGGAGGCTGGTGAATGTCAGCAGCATGGGAGGAGGGGCCCAATGGAAGGCTGGCATCTTATGGCT
CATCAAAGGCGGCTGTGACCATGTTCTCATCAGTTATGAGACTGGAGCTTCCAAGTGGGGAATTAAGT
TGCTTCCATCCAACCTGGAGGCTTCTAACAATATCGCAGGCACCAGTGACAAGTGGGAAAAGCTGGAG
AAGGACATTCTGGACCACCTCCCCGCTGAGGTACAGGAAGACTACGGCCAGGACTACATCTTAGCACAGC
GGAATTCCTCTATTGATCAACTCGTTAGCCAGCAAGGACTTCTCTCCGGTGTGCGGGACATCCAGCA
TGCTATCTTGGCGAAGAGCCCTTTGCCTATTACAGCCAGGAAAGGCGCTTACTGTGGATCTGCCTT
GCTCACTATTGCTTATTGGCATATGATTACTTTGCTAAAAGACATTTTGGCCAAGACAAGCCCATGC
CCAGAGCTCTAAGAATGCCTAACTACAAGAAAAAGGCCACCTAG
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Restriction Sites:	NotI-NotI
ACCN:	NM_002153
Insert Size:	1200 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_002153.1 , NP_002144.1
RefSeq Size:	1427 bp
RefSeq ORF:	1164 bp
Locus ID:	3294
UniProt ID:	P37059
Cytogenetics:	16q23.3
Domains:	adh_short
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Androgen and estrogen metabolism, Metabolic pathways
Gene Summary:	Capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone. Also has 20-alpha-HSD activity. Uses NADH while EDH17B3 uses NADPH.[UniProtKB/Swiss-Prot Function]