

Product datasheet for **SC324525**

HSD17B6 (NM_003725) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HSD17B6 (NM_003725) Human Untagged Clone
Tag: Tag Free
Symbol: HSD17B6
Synonyms: HSE; RODH; SDR9C6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003725.2
 AGCAGTTGGGGCAGGAGGAAGCCGACTGCTGCCTGGTCTGCAAAGAAGTCCTTTCAAGTC
 TCTAGGACTGGACTCTTCTAAGCAAGTCCGAGAAGGAAGCACCTCACTATGTGGCTCT
 ACCTGGCGGCCTTCGTGGCCTGTACTACCTTCTGCACTGGTACCGGGAGAGGCAGGTGG
 TGAGCCACCTCCAAGACAAGTATGTCTTTATCACGGGCTGTGACTCGGGCTTTGGGAACC
 TGCTGGCCAGACAGCTGGATGCACGAGGCTTGAGAGTGTGGCTGCGTGTCTGACGGAGA
 AGGGGGCCGAGCAGCTGAGGGGCCAGACGTCTGACAGGCTGGAGACGGTGACCCTGGATG
 TTACCAAGATGGAGAGCATCGCTGCAGCTACTCAGTGGTGAAGGAGCATGTGGGGGACA
 GAGGACTCTGGGACTGGTGAACAATGCAGGCATTCTTACCAATTACCTTATGTGAGT
 GGCTGAACACTGAGGACTCTATGAATATGCTCAAAGTGAACCTCATTGGTGTGATCCAGG
 TGACCTTGAGCATGCTTCTTTGGTGGAGAGACCGGGGAAGAATTGTCAATGTCTCCA
 GCATTCTGGGAAGAGTTGCTTTCTTTGTAGGAGGCTACTGTCTCCAAGTATGGAGTGG
 AAGCCTTTTCAGATATTCTGAGGCGTGAGATTCACATTTTGGGGTAAAATCAGCATAG
 TTGAACCTGGCTACTTCAGAACGGGAATGACAAACATGACACAGTCCTTAGAGCGAATGA
 AGCAAAGTTGGAAAGAAGCCCCAAGCATATTAAGGAGACCTATGGACAGCAGTATTTTG
 ATGCCCTTACAATATCATGAAGGAAGGGCTGTTGAATTGTAGCACAAACCTGAACCTGG
 TCACTGACTGCATGGAACATGCTCTGACATCGGTGCATCCGCGAACTCGATATTCAGCTG
 GCTGGGATGCTAAATTTTCTTCATCCCTCTATCTTATTTACCTACATCACTGGCAGACT
 ACATTTTGACTAGATCTTGGCCCAAACCCAGCCAGGCAGTCTAAAGAAAACCTGGTTGGT
 GCTTCTTGAATGAAGGCAAAAATCTGAAATTGTTAGTGTCTCAGTAATCCTGATTTAGA
 ACCCAGGCTTTTTGTAACAATGTGTTTTCTTGCCTAAATTCATTTATCTGGCATCATCAG
 AGTACTAACATGTTTATATTTTCAGATATCCAAAGCTTACCACTTTAGGTGATGAATCTTT
 ACTATTTTAGCCCTTTTTGATGAGACTATTTGTCTAAAGTGAATCATTGTCTTCTGCCT
 TATTAACAGAGTAGATGGAAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_003725
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:	<u>NM_003725.2</u> , <u>NP_003716.2</u>
RefSeq Size:	1512 bp
RefSeq ORF:	954 bp
Locus ID:	8630
UniProt ID:	<u>O14756</u>
Cytogenetics:	12q13.3
Domains:	adh_short
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene has both oxidoreductase and epimerase activities and is involved in androgen catabolism. The oxidoreductase activity can convert 3 alpha-adiol to dihydrotestosterone, while the epimerase activity can convert androsterone to epi-androsterone. Both reactions use NAD ⁺ as the preferred cofactor. This gene is a member of the retinol dehydrogenase family. [provided by RefSeq, Aug 2013]