

Product datasheet for **SC111268**

HSD17B11 (NM_016245) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSD17B11 (NM_016245) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSD17B11
Synonyms:	17-BETA-HSD11; 17-BETA-HSDXI; 17BHSD11; DHRS8; PAN1B; RETSDR2; SDR16C2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111268 sequence for NM_016245 edited (data generated by NextGen Sequencing)

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ATGAAATTTCTTCTGGACATCCTCCTGCTTCTCCCGTTACTGATCGTCTGCTCCCTAGAG
TCCTTCGTGAAGCTTTTTATTCCCTAAGAGGAGAAAATCAGTCACCGGCGAAATCGTGCTG
ATTACAGGAGCTGGGCATGGAATTGGGAGACTGACTGCCTATGAATTTGCTAAACTTAAA
AGCAAGCTGGTTCTCTGGGATATAAATAAGCATGGACTGGAGGAAACAGCTGCCAAATGC
AAGGGACTGGGTGCCAAGGTTACACCTTTGTGGTAGACTGCAGCAACCGAGAAGATATT
TACAGCTCTGCAAAGAAGGTGAAGGCAGAAAATTGGAGATGTTAGTATTTTAGTAAATAAT
GCTGGTGTAGTCTATACATCAGATTTGTTTGCTACACAAGATCCTCAGATTGAAAAGACT
TTTGAAGTTAATGACTTGCACATTTCTGGACTACAAAGGCATTTCTTCTGCAATGACG
AAGAATAACCATGGCCATATTGTCCTGTGGCTTCGGCAGCTGGACATGTCTCGGTCCCC
TTCTTACTGGCTTACTGTTCAAGCAAGTTTGCTGCTGTTGGATTTTATAAACTTTGACA
GATGAACTGGCTGCCTTACAAAATAACTGGAGTCAAACAACATGTCTGTGTCCTAATTTT
GTAAACACTGGCTTCAAAAAATCCAAGTACAAGTTTGGGACCCACTCTGGAACCTGAG
GAAGTGGTAAACAGGCTGATGCATGGGATTCTGACTGAGCAGAAGATGATTTTTATTCCA
TCTTCTATAGCTTTTTTAACAACATTGGAAAGGATCCTTCTGAGCGTTTCTGGCAGTT
TTAAAACGAAAAATCAGTGTTAAGTTTGATGCAGTTATTGGATATAAAATGAAAGCGCAA
TAA
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Clone variation with respect to NM_016245.3
848 a=>g



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016245 unedited
 GTCAAGATTTGTATACGACTCATATAGGCGGCCGCAAATTCGCACGAGGGTTAGATCGA
 GCTACCCCTCTAAAACAGTTTAGAGTGGTAAAAAAAAAAAAAAAAACACACCAAACGCTCGC
 AGCCACAAAAGGGATGAAATTTCTTCTGGACATCCTCCTGCTTCTCCCGTTACTGATCGT
 CTGCTCCCTAGAGTCCTTCGTGAAGCTTTTTATCCTAAGAGGAGAAAATCAGTCACCGG
 CGAAATCGTGTGATTACAGGAGCTGGGCATGGAATGGGAGACTGACTGCCTATGAATT
 TGCTAAACTTAAAAGCAAGCTGGTTCTCTGGGATATAAATAAGCATGGACTGGAGGAAAC
 AGCTGCCAAATGCAAGGGACTGGGTGCCAAGGTTACATACCTTTGTGGTAGACTGCAGCAA
 CCGAGAAGATATTTACAGCTCTGCAAAGAAGGTGAAGGCACAAATTGGAGATGCTAGCAT
 TTTAGTAAATAATGCTGGTGTAGTCTATACATCAGATTTGTTTGCTACACAAGATCCTCA
 GATTGAAAAGACTTTTGAAGTAAATGTACTTGCACATTTCTGGACTACAAAGGCATTTT
 TTCCTGCAATGACCAAGAATAACCATGGGCCATATTTGCCACTGTGGCTTCGGCCAGCTT
 GGACATGTCTCGGCCCTTCTTACTGGCTTACTGTTCAACCAAGTTTGTGCTGTTGGA
 TTTATAAACTTTGACAGATGACCTGGCCTGCCTACAAACAACGGAAGCCAAACCACA
 TGCTGCGCCCTAATTACGTAAAACCTGGCCTTATCACAATCCAAGTACAACCTCTG
 CGACCCACTCTGGCAACCTGAGGAAAAGTGTGTAACAAGGCTGAATGCATGGGATTTCTGA
 CTGGACCAAAAAGACGACTTCTAATTCCTCAACTCAATAACCTTCTTTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016245 unedited
 GAGTCGAGTTTTTTTTTTTTTTTTTAAAGTGTGATCCATTTATTATTGCTGCCATTTGTG
 GGTACATTCTCTCAATTCCTTAAATCCCAGTGATGCTTTTATACTTGAACACGTGTA
 TCCACCTTAGCTTCCCTGTGCAGAAATGTTTGGCATTGGAATGTGAGGTATCTCTCAGG
 AAACAGAGTGGCAATGGGTAGGATGAAACCTACCCATTGAGAGTTCATGATATTCATTGT
 GAAATACCACTAGATATAGTCTTCATTTATTTAGAGAGCTTGAAGTTTCTGATTTTAT
 GTAGAACAGAAAAGAAACACAAATTATACAAAATTTAAGTGCCTCAAAAATAAAAATA
 TATGTTAAATAAACGGTTATGGTACAAATTTTGCAAAGCCTTCAGGTGAGCCACAATAA
 TCCTTGGAATTAATTTAATAACGCCATTTTCGGTCTTTTTCTTCATTTCCCTTAAAGCC
 ACCTTTAAAGGTATCCCTCTGCCTATATCATATGTAATCACCTTTTTGGCTAAAGAACAA
 GTCGGCGTAAATGAAGACTGCCAAAGCCCAAAAATGATATTGAACAACTGGGGATAATTT
 AAAAAACAGAAGTTCAAACCTTTAAAATTTTCGGACTTATAAATGACTTCACCTAAACCTGT
 AAATCATTCTTACAACCCAGGTGCTCACTGCTTTCTCTACATCAATCCTTGCCCAACTT
 AAACCTGATTTCCCTTTTAAACTCGCCGAAACCCCTACAAGAACCTTCCACGCTTTTACAC
 CTTCCACATGCATACATCCTTCTTGCCACCCAATCCTTGCTTCCCGTTTCCCTTTTCTGG
 GCAAAGCGGTCCCAACTCTCTGTTTTTTGTCAACCCGCTCTCAATTTCCCTCCCTTC
 CCCCCCTCTTACGGCCCCCTCCGCGCTTTCACCCACTCCCTCTTTTACACCC
 CCTGGGCCACTCCATCTGTACCCCTTCGGTCTTTCCGGCAG

Restriction Sites:

NotI-NotI

ACCN:

NM_016245

Insert Size:

1710 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:

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_016245.2](#), [NP_057329.1](#)

RefSeq Size: 1701 bp

RefSeq ORF: 903 bp

Locus ID: 51170

UniProt ID: [Q8NBQ5](#)

Cytogenetics: 4q22.1

Domains: adh_short

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: Short-chain alcohol dehydrogenases, such as HSD17B11, metabolize secondary alcohols and ketones (Brereton et al., 2001 [PubMed 11165019]).[supplied by OMIM, Jun 2009]