

Product datasheet for SC317371

DHRS11 (NM_024308) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS11 (NM_024308) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHRS11
Synonyms:	ARPG836; SDR24C1; spDHRS11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317371 representing NM_024308. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCCAGGCCCGGCATGGAGCGGTGGCGCACCGGCTGGCGCTGGTGACGGGGGCTCGGGGGGCATC
GGCGCGGCCGTGGCCCGGCCCTGGTCCAGCAGGGACTGAAGTGGTGGGCTGCGCCCGCACTGTGGGC
AACATCGAGGAGCTGGCTGCTGAATGTAAGAGTGCAGGCTACCCCGGACTTTGATCCCCACAGATGT
GACCTATCAAATGAAGAGGACATCCTCTCCATGTTCTCAGCTATCCGTTCTCAGCACAGCGGTGTAGAC
ATCTGCATCAACAATGCTGGCTTGGCCCGGCTGACACCCTGCTCTCAGGCAGCACCAGTGGTTGGAAG
GACATGTTCAATGTGAACGTGCTGGCCCTCAGCATCTGCACACGGGAAGCCTACCAGTCCATGAAGGAG
CGGAATGTGGACGATGGGCACATCAATAACATCAATAGCATGTCTGGCCACCGAGTGTACCCTGTCT
GTGACCCACTTCTATAGTGCCACCAAGTATGCCGTCACCTGCGCTGACAGAGGGACTGAGGCAAGAGCTT
CGGGAGGCCAGACCCACATCCGAGCCAGTGCATCTCTCCAGGTGTGGTGGAGACACAATTCGCCCTTC
AACTCCACGACAAGGACCCTGAGAAGGCAGCTGCCACCTATGAGCAAATGAAGTGTCTCAAACCCGAG
GATGTGGCCGAGGCTGTTATCTACGTCTCAGCACCCCGCACACATCCAGATTGGAGACATCCAGATG
AGGCCACGGAGCAGGTGACCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_024308
Insert Size:	783 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_024308.3
RefSeq Size:	1608 bp
RefSeq ORF:	783 bp
Locus ID:	79154
UniProt ID:	Q6UWP2
Cytogenetics:	17q12
Domains:	adh_short
Protein Families:	Druggable Genome, Transmembrane
MW:	28.3 kDa
Gene Summary:	Catalyzes the conversion of the 17-keto group of estrone, 4- and 5-androstenes and 5-alpha-androstanes into their 17-beta-hydroxyl metabolites and the conversion of the 3-keto group of 3-, 3,17- and 3,20- diketosteroids into their 3-hydroxyl metabolites. Exhibits reductive 3-beta-hydroxysteroid dehydrogenase activity toward 5-beta-androstanes, 5-beta-pregnanes, 4-pregnanes and bile acids. May also reduce endogenous and exogenous alpha-dicarbonyl compounds and xenobiotic alicyclic ketones.[UniProtKB/Swiss-Prot Function]