

Product datasheet for **SC324032**

DHRS9 (NM_005771) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS9 (NM_005771) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHRS9
Synonyms:	3ALPHA-HSD; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005771.3
AGCTGAGCAAGTCCACCAACAGTTTCTGTGTCCCACCTTCATCTTTAATAAGGACACCATC
TTCTTGTATTATACAAGAAAGGAGTGTACCTATCACACACAGGGGAAAAATGCTCTTTT
GGGTGCTAGGCCTCCTAATCCTCTGTGGTTTTCTGTGGACTCGTAAAGGAAAACTAAAGA
TTGAAGACATCACTGATAAGTACATTTTTATCACTGGATGTGACTCGGGCTTTGAAACT
TGGCAGCCAGAACTTTTGATAAAAAGGGATTTTCATGTAATCGCTGCCTGTCTGACTGAAT
CAGGATCAACAGCTTTAAAGGCAGAAACCTCAGAGAGACTTCGACTGTGCTTCTGGATG
TGACCCGACCCAGAGAATGTCAAGAGGACTGCCAGTGGTGAAGAACCAAGTTGGGGAGA
AAGGTCTCTGGGTCTGATCAATAATGCTGGTGTCCCGCGTGTGGCTCCCCTGACT
GGCTGACACTAGAGGACTACAGAGAACCTATTGAAGTGAACCTGTTTGGACTCATCAGTG
TGACACTAAATATGCTTCCTTTGGTCAAGAAAGCTCAAGGAGAGTTATTAATGTCTCCA
GTGTTGGAGGTCGCCTTGCAATCGTTGGAGGGGCTATACTCCATCCAAATATGCAGTGG
AAGTTTTCAATGACAGCTTAAGACGGGACATGAAAGCTTTTGGTGTGCACGTCTCATGCA
TTGAACCAAGGATTGTTCAAAAACAACTTGGCAGATCCAGTAAAGGTAATTGAAAAA
TCGCCATTTGGGAGCAGCTGTCTCCAGACATCAAACAATAATGGAGAAGGTTACATTG
AAAAAGTCTAGACAACTGAAAGGCAATAATCCTATGTGAACATGGACCTCTCTCCGG
TGGTAGAGTGCATGGACCAGCTCTAACAAGTCTTCCCTAAGACTCATTATGCCGCTG
GAAAAGATGCCAAAATTTCTGGATACCTCTGTCTCACATGCCAGCAGCTTTGCAAGACT
TTTTATTGTTGAAACAGAAAGCAGAGCTGGCTAATCCCAAGCAGTGTGACTCAGCTAAC
CACAAATGTCTCCTCCAGGCTATGAAATTGGCCGATTTCAAGAACACATCTCCTTTTCAA
CCCCATTCCTTATCTGCTCCAACCTGGACTCATTTAGATCGTGCTTATTTGGATTGCAAA
AGGGAGTCCCACCATCGCTGGTGGTATCCAGGGTCCCTGCTCAAGTTTTCTTTGAAAAG
GAGGGCTGGAATGGTACATCACATAGGCAAGTCCCTGCCCTGTATTTAGGCTTTGCCTGCT
TGGTGTGATGTAAGGGAAATTGAAAGACTTGCCCATTCAAAATGATCTTTACCGTGGCT
GCCCCATGCTTATGGTCCCAGCATTTACAGTAACTTGTGAATGTTAAGTATCATCTCTT
ATCTAAATATTAAGATAAGTCAAACATTA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	ECoRI-NOT
ACCN:	NM_005771
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_005771.3</u> , <u>NP_005762.2</u>
RefSeq Size:	2939 bp
RefSeq ORF:	960 bp
Locus ID:	10170
Cytogenetics:	2q31.1
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Retinol metabolism
Gene Summary:	<p>This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. This protein demonstrates oxidoreductase activity toward hydroxysteroids and is able to convert 3-alpha-tetrahydroprogesterone to dihydroxyprogesterone and 3-alpha-androstanediol to dihydroxyprogesterone in the cytoplasm, and may additionally function as a transcriptional repressor in the nucleus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All variants (1-4) encode the same protein.</p>