

Product datasheet for **SC319888**

DHRS2 (NM_182908) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS2 (NM_182908) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHRS2
Synonyms:	HEP27; SDR25C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_182908.3
 CTCTGGTCCCTTCCACGCTGTGGAAGCTTTGTTCTTTTGGTCTTCATGATAAATCTTGC
 TGCTGCTCACTCGTTGGGTCCGTGCCACCTTTAAGAGCTGTAACTCACCAGCAAGGTC
 TGCAACTTCACTCCTGGGGCCAGCAAGACCACGAATGCACCGAGAGGAATGAACAACCTCT
 GGACACACCATCTTTAAGAACCCTAATACTCACCAGCAAGGGTCTGCAACTTCATTCTTGA
 AGTCAGTGAGGCCAAGAACCACATCAATTCGTACACATTTTGGTGACTTTGAAGAGACTG
 TCACCTATCACCAAGTGGTGAGACTATTGCCAAGCAGTGAGACTATTGCCAAGTGGTGAG
 ACCATCACCAAGCGGTGAGACTATCACCTATCGCCAAGTGGCCTGATTTCAGCAGGAAGCA
 TCTCAGACACCAACCACTATGCTGTGAGCAGTTGCCCGGGGTACAGGGCTGGTTTCAT
 CCCTGTGCTAGGCTTTCTGTGAGGATGAGCAGCACCGGGATAGACAGGAAGGGCGTCTG
 GCTAACCGGGTAGCCGTGGTCACGGGGTCCACAGTGGGATCGGCTTTGCCATCGCCGA
 CGTCTGGCCCGGACGGGGCCACGTGGTCATCAGCAGCCGGAAGCAGCAGAACGTGGAC
 CGGGCCATGGCCAAGCTGCAGGGGGAGGGGCTGAGTGTGGCGGGCATTGTGTCCACGTG
 GGAAGGCTGAGGACCGGGAGCAGCTGGTGCCAAGGCCCTGGAGCACTGTGGGGCGTC
 GACTTCCTGGTGTGCAGCGCAGGGGTCAACCCTCTGGTAGGGAGCACTCTGGGGACCACT
 GAGCAGATCTGGACAAGATCCTAAGTGTGAACGTGAAGTCCCCAGCCCTGCTGTGAGC
 CAGTTGTGTCCTACATGGAGAACAGGAGGGGTGCTGTATCCTGGTCTCTTCCATTGCA
 GCTTATAATCCAGTAGTGGCGTGGGTGTCTACAATGTCAGCAAGACAGCGCTGTGGGT
 CTACTAGAACACTGGCATTGGAGCTGGCCCCAAGGACATCCGGGTAACTGCGTGGTT
 CCAGGAATTATCAAACTGACTTCAGCAAAGTGGTGAGGATTGGTTTCATGGGAATGAGT
 CTCTCTGGAAGAACTTCAAGGAACATCATCAGCTGCAGAGGATTGGGGAGTCAGAGGACT
 GTGCAGGAATCGTGTCTTCTGTGCTCTCCAGATGCCAGCTACGTCAACGGGGAGAACA
 TTGCGGTGGCAGGCTACTCCACTCGGCTCTGAGAGGAGTGGGGCGGCTCGTAGCTGTG
 GTCCAGGCCCAAGGAGCTGAGGGGGTGTCTAGGTGATCATTGGATCTGGAGGCAGAGT
 CTGCCATTCTGCCAGACTAGCAATTTGGGGCTTACTCATGCTAGGCTTGGGAAGAAGA
 AAAACGCTTCGGCATTCTCCTTAGGACTTATCTGCTTGTAGATTGGCTGATCCAATTAA
 CATGTGGGGTCTTGGTGTGGGTCTGGGGAGCTGAAGGATTTTATGGAGCTGGTGTCTTG
 GAGGAATCTTAAGGGAAGGAGTAGAAGCTCAGGCCTTTGAAGGATTTTCAGCTCCTCCTC
 TCTGTAATTTGTCTTTAAGCATTTTTTCTAAAATAAACTCAAATTTATCCTCAAAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_182908

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	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_182908.3 , NP_878912.1
RefSeq Size:	1688 bp
RefSeq ORF:	903 bp
Locus ID:	10202
UniProt ID:	Q13268
Cytogenetics:	14q11.2
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) family, which has over 46,000 members. Members of this family are enzymes that metabolize many different compounds, such as steroid hormones, prostaglandins, retinoids, lipids and xenobiotics. Alternative promoter use and alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017] Transcript Variant: This variant (1) encodes the longest isoform (1). The promoter and 5' terminal exon sequence is from an endogenous retroviral LTR. (PMID: 11944995) This promoter is specifically active in human monocyte-derived dendritic cells.