

Product datasheet for SC126075

DHRS4L2 (NM_198083) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DHRS4L2 (NM_198083) Human Untagged Clone
Tag: Tag Free
Symbol: DHRS4L2
Synonyms: SDR25C3
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_198083 edited
GCTGGAAGGAGTGAACCCAGACTTGCTGGTCTGATCCATGCACATGGCCAGGCTGCTAG
GCCTCTGTGCCTGGGCACGGAAGTCGGTGCAGTTGGCCAGCTCCAGGATGACCCGCCGG
ACCCGCTCACAAATAAGGTGGCCCTGGTAACGGCCTCCACCGACGGGATCGGCTTCGCCA
TCGCCCCGGCGTTTGGCCAGGACAGGGCCACGTGGTCTGTCAGCAGCCGGAAGCAGCAGA
ATGTGGACCAGGCGGTGGCCACGCTGCAGGGGGAGGGGCTGAGCGTGACGGGCACTGTGT
GCCATGTGGGAAGGCGGAGGACCGGGAGCGGCTGGTGGCCATGGCTGTGAAGCTTCATG
GAGGTATCGATATCCTAGTCTCCAATGCTGCTGTCAACCTTTCTTTGGAAGCCTAATGG
ATGTCACCGAGGAGGTGTGGACAAGACTCTGGACATTAATGTGAAGGCCCCAGCCCTGA
TGACAAAGGCAGTGGTGCAGAAATGGAGAAACGAGGAGGCGGCTCAGTGGTGATCGTGT
CTTCCATAGCAGCCTTCAGTCCATCTCCTGGCTTCAGTCTTACAATGTCAGTAAACAG
CCTTGCTGGGCCCTCAACAATACCCTGGCCATAGAGCTGGCCCAAGGAACATTAGGGTGA
ACTGCCTGCACCTGGACTTATCAAGACTAGCTTCAGCAGGATGCTCTGGATGGACAAGGA
AAAAGAGGAAAGCATGAAAGAAACCTGCGGATAAGAAGGTTAGGCGAGCCAGAGGATTG
TGCTGGCATCGTGTCTTTCTGTGCTCTGAAGATGCCAGCTACATCACTGGGAAACAGT
GGTGGTGGGTGGAGGAACCCCGTCCCGCCTCTGAGGACCGGGAGACGCCACAGGCCAG
AGTTGGCTCTAGCTCCTGGTGTGTTCCCGCATTACCCACTGGCCTTTCCACCTCTG
CTCACCTTACTGTTACCTCATAAAATCAGTTCTGCCCTGTGAAAAGATCCAGCCTTCCC
TGCCGTCGAAGGTGGCGTCTTACTCGGATTTCTGCTGTTGTTGTGGCCTTGGGTAAGGC
CTCCCCTGAGAACACAGGACAGGCCTGCTGACAAGGCTGAGTCTACCTTGCAAAGACCA
AGATATTTTTTCCCGGGCCACTGGGAATCTGAGGGGTGATGGGAGAGAAGGAACCTGGA
GTGGAAGGAGCAGAGTTGCAAATTAACAACCTGCAAATGAGGTGCAAATAAAATGCAGAT
GATTGCGCGAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198083 unedited NGGGGGATCTTTTCGGTATTTGTATACTTTTCATATAGGCGGACCGGAATTCGCACGAGGG CTGGAAGGAGTGGAAACCCANACTTGCTGGTCTGATCCATGCACATGGCCAGGCTGCTAGG CCTCTGTGCTGGGCACGGAAGTCGGTGCGGTTGGCCAGCTCCAGGATGACCCGCCGGGA CCCGCTCACAATAAGGTGGCCCTGGTAACGGCCTCCACCGACGGGATCGGCTTCGCCAT CGCCCGGCGTTTGGCCCAGGACAGGGCCACGTGGTCGTCAGCAGCCGGAAGCAGCAGAA TGTGGACCAGGCGGTGGCCACGCTGCAGGGGGAGGGGCTGAGCGTGACGGGCACTGTGTG CCATGTGGGGAAGGCGGAGGACCGGGAGCGGCTGGTGGCCATGGCTGTGAAGCTTCATGG AGGTATCGATATCCTAGTCTCCAATGCTGCTGTCAACCCTTTCTTTGGAAGCCTAATGGA TGTCAANNCCGAGAGTGTGGNGACAGACTCTGGACATTAATGTGAAAGGCCAGCCCTGAT GACCAAGGCAGTGGTGCCAGAAATGGAAGAACGAGGAGGCGCTCANGGGTGATACGGGN CTTCTAACAAACCCTTAAGTCCATTTCCCGGCTTTCAGTCTACCAAGGCAGTAAAAACC CCCCTTGTGGCCCTTAAAAATACCCTGGGCTAAAGACTGGGCCAAAGAACACATTGG GGAACACCGCTCCCTGGCTTTTAAAAAATATTTTCAAAGGGGGCCTTCTGGGGGCC CCGGAAAAAGAGAAACATCTTAAACACCCCTCATAAAAAAATGTGCGCCCCCCCAA GTGTGGGGGGCAATATTTTTTTTGTGCTCGAAAAAGCCCCACCCCTCTCGGAAAAAAA AGGGGGGGGGGGGAGACACCCCA
Restriction Sites:	Please inquire
ACCN:	NM_198083
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:	<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_198083.1 , NP_932349.1
RefSeq Size:	1289 bp
RefSeq ORF:	693 bp
Locus ID:	317749
Cytogenetics:	14q11.2
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Retinol metabolism

Gene Summary:

This gene encodes a member of the short chain dehydrogenase reductase family. The encoded protein may be an NADPH dependent retinol oxidoreductase. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2010]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. CCDS Note: This CCDS representation uses the 5'-most in-frame start codon, which is conserved in other species. An alternative downstream start codon, which is specific to human and has a slightly stronger Kozak signal, also exists. It is possible that leaky scanning by ribosomes would allow the downstream start codon to be used, at least some of the time. The use of the downstream start codon would result in a protein that is 2 aa shorter at the N-terminus. There is no experimental evidence showing which start codon is preferentially used in vivo.