

Product datasheet for SC117156

DHRS3 (NM_004753) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS3 (NM_004753) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHRS3
Synonyms:	DD83.1; RDH17; retSDR1; Rsdr1; SDR1; SDR16C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC117156 representing NM_004753. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGTGAAACGGCTGGGCGCGCTGGTGTGTTCCCTCTACAGATGATCTATCTGGTGGTGAAGCA
GCCGTCGGACTGGTGTGCTGCCCGCAAGCTGCGGGACCTGTGCGGGGAGAACGTCCTCATCCCGCGGC
GGGAGAGGCATCGGGCGTCAGCTCGCCCGCAGTTCGCGGAGCGCGGCCAGAAAGATTGTTCTCTGG
GGCCGGACTGAGAAATGCCTGAAGGAGACGACGGAGGAGATCCGGCAGATGGGCACTGAGTGCCATTAC
TTCATCTGTGATGTGGCAACCGGGAGGAGGTGTACCAGACGGCCAAGGCCGTCGGGAGAAGGTGGGT
GACATCACCATCCTGGTGAACAATGCCCGCTGGTCCATGGGAAGAGCCTAATGGACAGTGATGATGAT
GCCCTCCTCAAGTCCCAACACATCAACACCCTGGGCCAGTTCGGACCACCAAGGCCTTCCTGCCCGCT
ATGCTGGAGCTGCAGAATGGCCACATCGTGTGCCCTCAACTCCGTCGTCGCACTGTCTGCCATCCCGGT
GCCATCGACTACTGCACATCCAAAGCGTCAGCCTTCGCTTCATGGAGAGCCTGACCCTGGGGCTGCTG
GACTGTCCGGGAGTCAGCGCCACCACAGTGCTGCCCTTCACACCAGCACCAGAGATGTTCCAGGGCATG
AGAGTCAGGTTTCCCAACCTCTTTCCCCACTGAAGCCGGAGACGGTGGCCCGGAGGACAGTGGAAGCT
GTGCAGCTCAACCAGGCCCTCCTCCTCCATGGACAATGCATGCCCTCGTTATCTTGAAGCATA
CTTCCACAGGCTGCACTCGAGGAGATCCACAAATTCTCAGGAACCTACACCTGCATGAACACTTTCAA
GGCGGACATAG
ACGCGTACGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_004753
Insert Size:	909 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).
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_004753.6
RefSeq Size:	1741 bp
RefSeq ORF:	909 bp
Locus ID:	9249
UniProt ID:	O75911
Cytogenetics:	1p36.21
Domains:	adh_short
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Metabolic pathways, Retinol metabolism
MW:	33.5 kDa
Gene Summary:	Short-chain dehydrogenases/reductases (SDRs), such as DHRS3, catalyze the oxidation/reduction of a wide range of substrates, including retinoids and steroids (Haeseleer and Palczewski, 2000 [PubMed 10800688]).[supplied by OMIM, Jun 2009]