

Product datasheet for **RG200017**

DHRS7 (NM_016029) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DHRS7 (NM_016029) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DHRS7
Synonyms: CGI-86; retDSR4; retSDR4; SDR34C1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200017 representing NM_016029
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTGGGAGCTGCTGCTGTGGCTGCTGGTGTGTGCGCGCTGCTCCTGCTCTTGGTGCAGCTGCTGC
 GCTTCCTGAGGGCTGACGGCGACCTGACGCTACTATGGCCGAGTGCCAGGGACGACGCCAGAATGGGA
 GCTGACTGATATGGTGGTGTGGGTGACTGGAGCCTCGAGTGAATTGGTGAAGGAGCTGGCTTACCAGTTG
 TCTAAACTAGGAGTTTCTTGTGCTGTCAGCCAGAAGAGTGCATGAGCTGGAAAGGGTAAAAGAAGAT
 GCCTAGAGAATGGCAATTTAAAAGAAAAAGATATACTTGTTCCTTGGCCCTTGACCTGACCGACACTGGTTC
 CCATGAAGCGGCTACAAAGCTGTTCTCCAGGAGTTGGTAGAATCGACATTCTGGTCAACAATGGTGGA
 ATGTCCCAGCGTTCTCTGTGCATGGATACCAGCTTGGATGTCTACAGAAAGCTAATAGAGCTTAACTACT
 TAGGGACGGTGTCTTGACAAAATGTGTTCTGCCTCACATGATCGAGAGGAAGCAAGGAAAGATTGTTAC
 TGTGAATAGCATCCTGGGTATCATATCTGTACCTTTCCATTGGATACTGTGCTAGCAAGCATGCTCTC
 CGGGGTTTTTTAATGGCCTTCGAACAGAATTGCCACATACCCAGGTATAATAGTTTCTAACATTTGCC
 CAGGACCTGTGCAATCAAATATTGTGGAGAATTCCTAGCTGGAGAAGTCACAAAGACTATAGGCAATAA
 TGGAGACCAGTCCCACAAGATGACAACCACTTTCTTGTGTCGGCTGATGTTAATCAGCATGGCCAATGAT
 TTGAAAGAAGTTGGATCTCAGAACAACCTTTCTTGTAGTAACATATTTGTGGCAATACATGCCAACCT
 GGGCCTGGTGGATAACCAACAAGATGGGGAAGAAAAGGATTGAGAACTTTAAGAGTGGTGTGGATGCAGA
 CTCTTCTATTTTAAAATCTTTAAGACAAAACATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200017 representing NM_016029
 Red=Cloning site Green=Tags(s)

MNWELLWLLVLCALLLLLVQLLRFLRADGDLTLLWAEWQGRPEWELTDMVVVVTGASSGIGEELAYQL
 SKLGVSLVLSARRVHELERYKRRCLENGLKEKDILVPLDLTDTSHEAATKAVLQEFGRIDILVNNGG
 MSQRSLCMDTSLDVYRKLIELNYLGTVSLTKCVLPHMIERKQGGKIVTVNSILGIISVPLSIGYCASKHAL
 RGFENGLRTELATYPGIIVSNICPGPVQSNIVENSLAGEVTKTIGNNGDQSHKMTT SRCVRLMLISMAND
 LKEVWISEQPFLLVTYLWQYMPTWAWWITNKMGGKRIENFKSGVDADSSYFKIFKTKHD

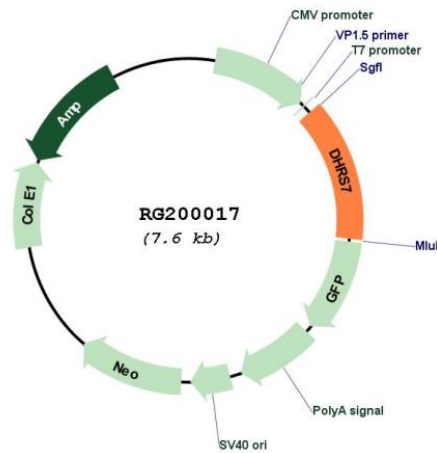
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_016029

ORF Size: 1017 bp

OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_016029.4
RefSeq Size:	1282 bp
RefSeq ORF:	1020 bp
Locus ID:	51635
UniProt ID:	Q9Y394
Cytogenetics:	14q23.1
Domains:	adh_short
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) family, which has over 46,000 members. Members in this family are enzymes that metabolize many different compounds, such as steroid hormones, prostaglandins, retinoids, lipids and xenobiotics. [provided by RefSeq, Apr 2016]