

Product datasheet for **RG225440**

DHRS7C (NM_001105571) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS7C (NM_001105571) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHRS7C
Synonyms:	SDR32C2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225440 representing NM_001105571 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGTCATGGCCATGCTGATGCTCCCCCTGCTGCTGCTGGGAATCAGCGGCCTCCTCTTCATTTACC
AAGAGGTGTCCAGGCTGTGGTCAAAGTCAGCTGTGCAGAACAAAGTGGTGGTGATCACCGATGCCATCTC
AGGACTGGCAAGGAGTGTGCTCGGGTGTCCACACAGGTGGGCAAGGCTGGTGTGTGGAAAGAAC
TGGGAGAGGCTAGAGAACCTATATGATGCCTTGATCAGCGTGGCTGACCCAGCAAGACATTACCCCAA
AGCTGGTCTGTGGACCTCTCAGACATCAGCTGTGCCAGATGTGGCAAAGAAGTCTTGATTGCTA
TGCTGTGTGGACATCCTCATCAACAATGCCAGTGTGAAGGTGAAGGGCCTGCCATAAGATTTCTCTG
GAGCTCGACAAAAGATCATGGATGCCAATTACTTTGGCCCATCACATTGACGAAAGCCCTGTTCCCA
ACATGATCTCCCGGAGAACAGGCCAAATCGTGTTAGTGAATAATCCAAGGGAAGTTTGGAAATCCCGTT
CCGTACGACTTACGCTGCCTCCAAGCACGCAGCCCTGGGCTTCTTTGACTGCCTCCGAGCCGAAGTGGAG
GAATACGATGTTGTATCAGCACCGTGAGCCCGACTTTCATCCGGTTCGTACCACGTGTATCCAGAGCAAG
GAAACTGGGAAGCTTCCATTTGGAAATCTTTTTCAGGAAGCTGACCTACGGCGTGCACCCAGTAGAGGT
GGCGGAGGAGGTGATGCGCACCGTGCGGAGGAAGAAGCAAGAGGTGTTTATGGCCAACCCCATCCCAAG
GCCGCCGTGACGTCCGACCTTCTTCCGGAGTCTTTTTCGCCGTGGTGGCCTGTGGGTGAAGGAGA
AGCTCAATGTCCCGGAGGAGGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225440 representing NM_001105571
Red=Cloning site Green=Tags(s)

MGVMAMLMPLLLLIGISGLLFIYQEVSRLLWSKSAVQNKVVVITDAISGLGKECARVFHTGGARLVLCGKN
 WERLENLYDALISVADPSKTFFTPPLVLLDLSDISCVPDVAKEVLDCYGCVDILINNASVKVKGPAHKISL
 ELDDKIMDANYFGPITLTKALLPNMISRRTGQIVLVNNIQKFGIPFRTTYAASKHAALGFFDCLRAEVE
 EYDVVISTVSPTFIRSYHVYPEQGNWEASIWKFFFRKLTYGVHPVEVAEEVMRTVRRKKQEVFMANPIPK
 AAVYVRTFFPEFFFAVVACGVKEKLNVP EEG

TRTRPLE - GFP Tag - V

Restriction Sites:

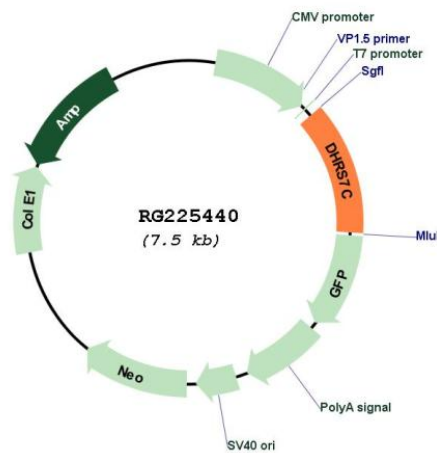
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001105571

ORF Size: 933 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_001105571.3
RefSeq Size:	988 bp
RefSeq ORF:	936 bp
Locus ID:	201140
UniProt ID:	A6NNS2
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Putative oxidoreductase.[UniProtKB/Swiss-Prot Function]