

## Product datasheet for **RG233720**

### DHRS7C (NM\_001220493) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS7C (NM_001220493) 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:	>RG233720 representing NM_001220493 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGTCATGGCCATGCTGATGCTCCCCCTGCTGCTGCTGGGAATCAGCGGCCTCCTCTTCATTTACC  
AAGAGGTGTCCAGGCTGTGGTCAAAGTCAGCTGTGCAGAACAAAGTGGTGGTGATCACCGATGCCATCTC  
AGGACTGGCAAGGAGTGTGCTCGGGTGTCCACACAGGTGGGCAAGGCTGGTGTGTGAAAGAAC  
TGGGAGAGGCTAGAGAACCTATATGATGCCTTGATCAGCGTGGCTGACCCAGCAAGCAGACATTCACCC  
CAAAGCTGGTCTGTTGGACCTCTCAGACATCAGCTGTGTCCCAGATGTGGCAAAGAAGTCTGGATTG  
CTATGGCTGTGTGGACATCCTCATCAACAATGCCAGTGTGAAGGTGAAGGGCCTGCCATAAGATTTCT  
CTGGAGCTCGACAAAAGATCATGGATGCCAATTACTTTGGCCCCATCACATTGACGAAAGCCCTGCTTC  
CCAACATGATCTCCCGGAGAACAGGCCAAATCGTGTTAGTGAATAATATCCAAGGGAAGTTTGAATCCC  
GTTCCGTACGACTTACGCTGCCTCCAAGCACGCAGCCCTGGGCTTCTTTGACTGCCTCCGAGCCGAAGTG  
GAGGAATACGATGTTGTCATCAGCACCGTGAGCCCGACTTTCATCCGGTCGTACCACGTGTATCCAGAGC  
AAGGAACTGGGAAGCTTCCATTTGAAATTTCTTTTCAGGAAGCTGACCTACGGCGTGCACCCAGTAGA  
GGTGGCGGAGGAGGTGATGCGCACCGTGCAGGAGGAAGAAGCAAGAGGTGTTTATGGCCAACCCATCCCC  
AAGGCCCGGTGTACGTCCGCACCTTCTCCCGGAGTTCTTTTCGCCGTGGTGGCTGTGGGTGAAGG  
AGAAGCTCAATGTCCCGAGGAGGGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG233720 representing NM\_001220493  
 Red=Cloning site Green=Tags(s)

MGVMAMLMPLLLLGISGLLFIYQEVSRLLWSKSAVQNKVVVITDAISGLGKECARVFHTGGARLVLCGKN  
 WERLENLYDALISVADPSKQTFTPKLVLLDLSDISCVPDVAKEVLDCYGCVDILINNASVKVKGPAHKIS  
 LELDKKIMDANYFGPITLTKALLPNMISRRTGQIVLVNNIQGKFGIPFRTTYAASKHAALGFFDCLRAEV  
 EEYDVVISTVSPTFIRS YHVYPEQGNWEASIWKFFFRKLT YGVHPVEVAEEVMRTVRRKKQEVFMANPIP  
 KAAVYVRTFFPEFFFAVVACGVKEKLNVP EEG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001220493

**ORF Size:** 936 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:**

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\\_001220493.2](#)

**RefSeq Size:** 1014 bp

**RefSeq ORF:** 939 bp

**Locus ID:** 201140

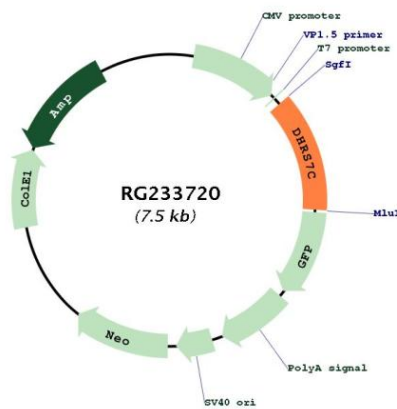
**UniProt ID:** [A6NNS2](#)

**Cytogenetics:** 17p13.1

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** Putative oxidoreductase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG233720