

## Product datasheet for **RG202625**

### DHRS7B (NM\_015510) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS7B (NM_015510) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHRS7B
Synonyms:	CGI-93; SDR32C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202625 representing NM_015510 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCTCTCCGGCTACCAGGAAGAGTCTGCCAAGGTGAAGGCCATGGACTTCATCACCTCCACAGCCA  
TCCTGCCCTGCTGTTCCGGCTGCCTGGCGTCTTCGGCTCTCCGGCTGCTGCAGTGGGTGCGCGGAA  
GGCCTACCTGCGAATGCTGTGGTGGTATCACAGGCCACCTCAGGGCTGGCAAAGAATGTGCAAAA  
GTCTTCTATGCTGCGGTGCTAACTGGTCTCTGTGGCCGGAATGGTGGGCCCTAGAAGAGCTCATCA  
GAGAACTCACCGTTCTCATGCCACCAAGGTGCAGACACACAAGCCTTACTTGGTGACCTTCGACCTCAC  
AGACTCTGGGGCCATAGTTGCAGCAGCAGCTGAGATCCTGCAAGTCTTTGGTATGTCGACATACTTGTC  
AACAAATGCTGGGATCAGCTACCGTGGTACCATCATGGACACCACAGTGGATGTGGACAAGAGGGTACATGG  
AGACAAACTACTTTGGCCAGTTGCTCTAACGAAAGCACTCCTGCCCTCCATGATCAAGAGGAGGCAAGG  
CCACATTGTCGCCATCAGCAGCATCCAGGGCAAGATGAGCATTCTTTTCGATCAGCATATGCAGCCTCC  
AAGCACGCAACCCAGGCTTTCTTTGACTGTCTGCGTGCCGAGATGGAACAGTATGAAATTGAGGTGACCC  
TCATCAGCCCCGGCTACATCCACACCAACCTCTCTGTAATGCCATCACCGGGATGGATCTAGGTATGG  
AGTTATGGACACCACAGCCCAGGGCCGAAGCCCTGTGGAGGTGGCCAGGATGTTCTTGCTGCTGTG  
GGGAAGAAGAAGAAGATGTGATCCTGGCTGACTTACTGCCTTCTTTGGCTGTTTATCTTGAACCTCTGG  
CTCCTGGGCTCTTCTTCAGCCTCATGGCCTCCAGGGCCAGAAAAGAGCGGAAATCCAAGAACTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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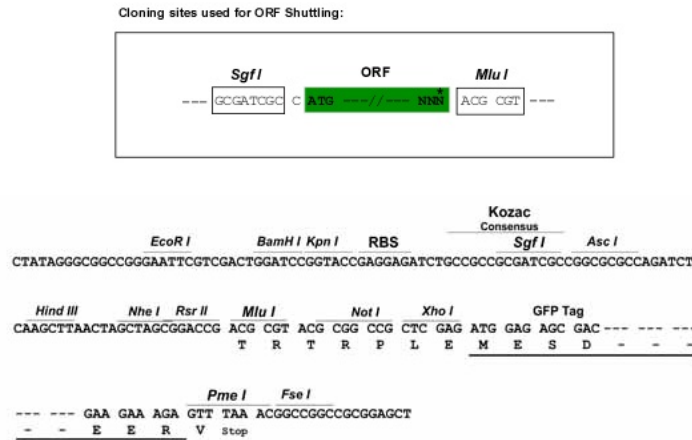
**Protein Sequence:** >RG202625 representing NM\_015510  
 Red=Cloning site Green=Tags(s)

MVSPATRKSLPKVKAMDFITSTAILPLLFGCLGVFGLFRLLQWVRGKAYLRNAVVVITGATSGLGKECAK  
 VFYAAGAKLVLCGRNGGALEELIRELTASHATKVQTHKPYLVTFDLTDSGAIVAAAAEILQCFGYVDILV  
 NNAGISYRGTIMDTTVDVDRVMTNYFGPVALTKALLPSMIKRRQGHIVAISSIQGMKSIFFRSAYAAS  
 KHATQAFFDCLRAEMEQYEIEVTVISPGYIHTNLSVNAITADGSRYGVMDDTTTAQGRSPVEVAQDVLAAV  
 GKKKKDVILADLLPSLAVYLRLTAPGLFFSLMASRARKERKSKNS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_015510

**ORF Size:** 975 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\\_015510.4](#)

**RefSeq Size:** 1377 bp

**RefSeq ORF:** 978 bp

**Locus ID:** 25979

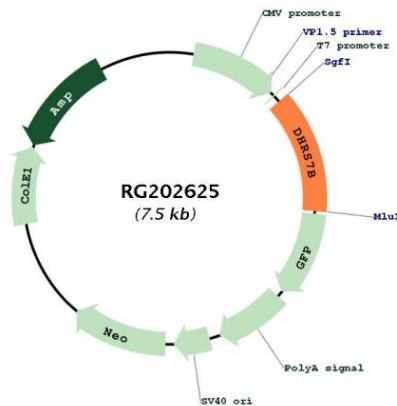
**UniProt ID:** [Q6IAN0](#)

**Cytogenetics:** 17p11.2

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene is located within the Smith-Magenis syndrome region on chromosome 17. It encodes a protein of unknown function. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG202625