

## Product datasheet for RC202625

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS7B (NM_015510) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DHRS7B
Synonyms:	CGI-93; SDR32C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202625 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCTCTCCGGCTACCAGGAAGAGTCTGCCGAAGGTGAAGGCCATGGACTTCATCACCTCCACAGCCA  
TCCTGCCCTGCTGTTCCGGCTGCCTGGGCGTCTTCGGCTCTTCCGGCTGCTGCAGTGGGTGCGCGGAA  
GGCCTACCTGCGGAATGCTGTGGTGGTATCACAGGCCACCTCAGGGCTGGGCAAAGAATGTGCAAAA  
GTCTTCTATGCTGCGGGTCTAACTGGTCTCTGTGGCCGGAATGGTGGGCCCTAGAAGAGCTCATCA  
GAGAACTCACCGTTCTCATGCCACCAAGGTGCAGACACACAAGCCTTACTTGGTGACCTTCGACCTCAC  
AGACTCTGGGGCCATAGTTGCAGCAGCAGCTGAGATCCTGCAAGTCTTTGGCTATGTCGACATACTTGTC  
AACAAATGCTGGGATCAGCTACCGTGGTACCATCATGGACACCACAGTGGATGTGGACAAGAGGGTACATGG  
AGACAAACTACTTTGGCCAGTTGCTCTAACGAAAGCACTCCTGCCCTCCATGATCAAGAGGAGGCAAGG  
CCACATTGTCGCCATCAGCAGCATCCAGGGCAAGATGAGCATTCTTTTCGATCAGCATATGCAGCCTCC  
AAGCACGCAACCCAGGCTTTCTTTGACTGTCTGCGTGCCGAGATGGAACAGTATGAAATGAGGTGACCC  
TCATCAGCCCCGGCTACATCCACACCAACCTCTCTGTAATGCCATCACCGGGATGGATCTAGGTATGG  
AGTTATGGACACCACAGCCCAGGGCCGAAGCCCTGTGGAGGTGGCCAGGATGTTCTTGCTGCTGTG  
GGGAAGAAGAAGAAGATGTGATCCTGGCTGACTTACTGCCTTCTTGGCTGTTTATCTTGAACCTCTGG  
CTCCTGGGCTCTTCTTCAGCCTCATGGCCTCCAGGGCCAGAAAAGAGCGGAAATCCAAGAACTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC202625 protein sequence  
Red=Cloning site Green=Tags(s)

MVSPATRKSLPKVKAMDFITSTAILPLLFGCLGVFGLFRLLQWVRGKAYLRNAVVVITGATSGLGKECAK  
 VFYAAGAKLVLCGRNGGAALEELIRELTASHATKVQTHKPVLVTFDLTDSGAIVAAAAEILQCFGYVDILV  
 NNAGISYRGTIMDTTVDVDRKRVMETNYFGPVALTKALLPSMIKRRQGHIVAIISSIQGKMSIPFRSAYAAS  
 KHATQAFFDCLRAEMEQYEIEVTVISPGYIHTNLSVNAITADGSRYGVMDTTTAQGRSPVEVAQDVLAAV  
 GKKKKDVLADLLPSLAVYLRTLAPGLFFSLMASRARKERKSKNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6391\\_f05.zip](https://cdn.origene.com/chromatograms/mk6391_f05.zip)

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_015510.4](#)

**RefSeq Size:** 1841 bp

**RefSeq ORF:** 978 bp

**Locus ID:** 25979

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

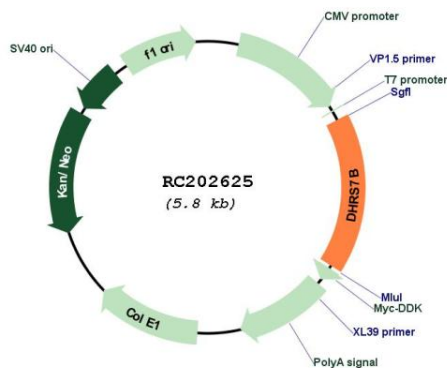
**Cytogenetics:** 17p11.2

**Protein Families:** Druggable Genome, Transmembrane

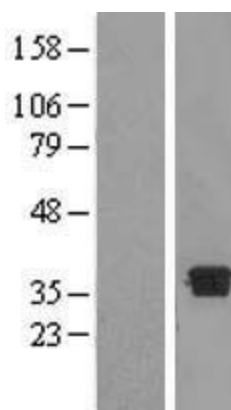
**MW:** 35.1 kDa

**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]

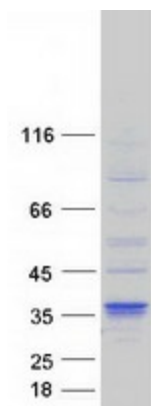
### Product images:



Circular map for RC202625



Western blot validation of overexpression lysate (Cat# [LY414503]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202625 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DHRS7B protein (Cat# [TP302625]). The protein was produced from HEK293T cells transfected with DHRS7B cDNA clone (Cat# RC202625) using MegaTran 2.0 (Cat# [TT210002]).