

## Product datasheet for **MR204701**

### Dhrs7b (NM\_145428) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dhrs7b (NM_145428) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhrs7b
Synonyms:	BC003479; C79874; C80074; PexRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204701 representing NM_145428 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCTCTCCGTCCTTTAGGAAAGGTATGCTGAAGGAGAGGGTCATGGACTTGGCCTCCCAGACGACCA  
TCCTGCCCTGCTGTTGGCTGCCTGGGATTTTCAGCCTCTTCAGGCTGCTGCAGAGGATCCGCTCAA  
GGCTTACCTGAGGAATGCTGTGGTGGTAGTCACGGGCCACCTCAGGTCTCGGCAGAGAATGTGCCAA  
GTCTTCCATGCTGCGGGGCTAACTGGTCTCTGTGGACGAAATGTGAAGGCCCTGGAGGAGCTCAGCC  
GGGAATTGCTGGTTCTCTCAGGGACAGACACCAACCCTTCGTGGTGACCTTTGACCTCGCGGATCC  
TGGTACTATTGCTGCTGCAGCAGCTGAGATCCTCCAGTGCTTTGGCTATGTGGACGTTCTCATCAATAAT  
GCTGGGATTAGCTACCGTGGTACCATTAGTGATACCATAGTGACGTTGGACCGGAAGGTGATGGAATAA  
ACTACTTTGGCCCTGTTGCTCTAACAAAAGCGCTCCTACCCTCCATGGTGGAAAGGAAGCAAGGCCACAT  
CGTCGCCATCAGCAGCATCCAGGCAAGATCAGCATTCTTTCCGATCGGCATATTCAGCCTCCAAGCAT  
GCAACCCAGGCATTCTTTGACTGTCTGCGTGCAGAGATGGAAGAGGCTAACATCAAGGTGACTGTGATA  
GCCCTGGCTACATCCATACCAACCTCTCTGTAATGCTGTCACTGCCGATGGCTCCAGATATGGAGCTCT  
AGACAAGAACACAGCCCAGGGCCGAAGCGCTGCAGAGGTGGCCAGGATGTCTTTGATGCTGTGGGAAG  
AAGAAAAAGATGTTCTCCTGACAGACTTTGTCCATCCATGGCTGTCTACATCAGAAGCTGGCTCCCG  
GGCTCTTCTTCAAGATCATGGCCTCTCGGGCCAGAAAAGAGCGGAAATCCAAGAGCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204701 representing NM\_145428  
Red=Cloning site Green=Tags(s)

MISPSFRKGLKERVMDLASQTTILPLLFGCLGIFSLFRLLQIRIRSKAYLRNAVVVVTGATSGLGRECAK  
 VFHAAGAKLVLCGRNVKALEELSRELASSQQTTHQPFVVTFFDLADPGTIAAAAAEILQCFGYVDVLIINN  
 AGISYRGTISDTIVDVRKVMENYFGPVALTKALLPSMVERKQGHIVAISSIQGKISIPFRSAYSASKH  
 ATQAFDCLRAEMEEANIKVTVI SPGYIHTNLSVNAVTA DGSRYGALDKNTAQGRSAAEVAQDVFDAVGK  
 KKKDVLVLTDFVPSMAVYIRT LAPGLFFRIMASRARKERKSKSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9020\\_h10.zip](https://cdn.origene.com/chromatograms/mm9020_h10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_145428

**ORF Size:** 969 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\\_145428.2](#), [NP\\_663403.1](#)

**RefSeq Size:** 1553 bp

**RefSeq ORF:** 972 bp

**Locus ID:** 216820

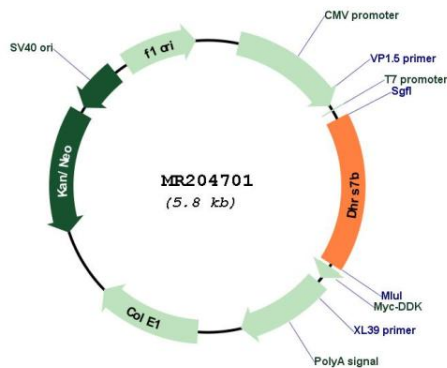
**UniProt ID:** [Q99J47](#)

**Cytogenetics:** 11 B2

**MW:** 35.4 kDa

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

**Product images:**



Circular map for MR204701