

Product datasheet for **RR201252**

Dhrs9 (NM_130819) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dhrs9 (NM_130819) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dhrs9
Synonyms: Rdhl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201252 representing NM_130819
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGCTTTGGGTGTTGGCCCTCTGTTCTCTGCGCTTTTCTGTGGAATTATAAAGGGCAGCTGAAGA
TAGCAGACATCGCTGACAAGTACATTTTCATCACTGGATGTGACTCAGGCTTCGGAACTTAGCAGCCAG
AACTTTTGATAGAAAAGGCTTCCGTGTCATTGCTGCCTGCCTGACTGAGTCAGGATCAGAGGCTTTGAAG
GCCAAAACCTCAGAGAGACTTCACACAGTGCTTCTGGATGTCACCAACCCAGAGAATGTCAAGGAGACTG
CCCAGTGGGTGAAGAGCCACGTAGGAGAAAAAGTCTCTGGGGTCTGATCAATAATGCTGGTGTCTTTGG
CGTACTGGCTCCCACTGACTGGCTGACAGTGGACGACTACAGAGAACCCATTGAAGTTAACCTGTTTGG
CTCATCAACGTGACGCTGAATATGCTTCCACTGGTCAAAAAGCTCGAGGGCGTGTATTAATGTCTCCA
GCATTGGAGGCCGACTTGCATTTGGTGGCGGGGCTATACTCCATCCAAGTATGCAGTGGAAAGTTTCAA
TGACAGCTTAAGGCGGGACATGAAAGCTTTTGGAGTGCACGTCTCATGCATTGAACCAGGGCTGTCCAA
ACAGGACTGGCAGATCCAATAAAGACAACCTGAAAAGAAGCTCGCCATTTGGAAACATCTGTCTCCAGACA
TCAAACAACAATATGGAGAGGGCTACATTGAAAAAGTCTACACAGACTGAAAAGCAGTACCTCCTGT
GAACCTGGACCTCTCTAGTGGTAGAGTGCATGGATCAGCTCTAACAAGTCTTCCCAAGACTCGA
TACACTGCTGAAAGGATGCCAAGACATTTTGGATACCTCTGTCTCACATGCCGGCAGCTTTACAAGACT
TTTTACTGTTGAAAGAGAAAGTAGAGCTGGCCAATCCCAAGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201252 representing NM_130819
 Red=Cloning site Green=Tags(s)

MLLWVLLALLFLCAFLWNYKGQLKIADIADKYIFITGCDSGFGNLAARTFDRKGFRVIAACLTESGSEALK
 AKTSERLHTVLLDVTNPENVKETAQWVKSHVGEKGLWGLINNAGVLGVLAPTDWLTVDDYREPIEVNLFGL
 LINVTLNMLPLVKKARGRVINVSSIGRLAFGGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSICIEPGLFK
 TGLADPIKTTEKKLAIWKHLSPDIKQQYGEYIEKSLHRLKSSTS SVNLDL.SLVVECMDHALTSLFPKTR
 YTAGKDAKTFWIPLSHMPAALQDFLLLKEKVELANPQAV

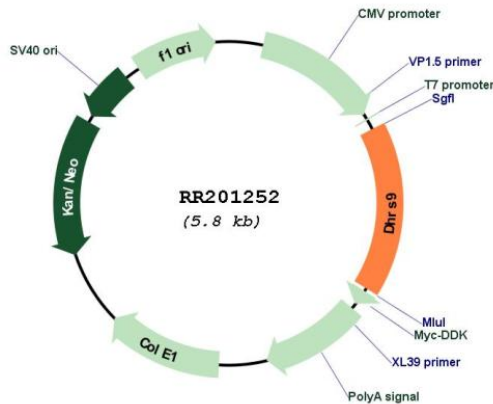
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_130819

ORF Size: 957 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_130819.1 , NP_570832.1
RefSeq Size:	1636 bp
RefSeq ORF:	960 bp
Locus ID:	170635
UniProt ID:	Q8VD48
Cytogenetics:	3q21
MW:	35.2 kDa
Gene Summary:	catalyzes the conversion of retinol to retinal in retinoic acid biosynthesis [RGD, Feb 2006]