

Product datasheet for MR219327

Dhrs3 (NM_011303) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhrs3 (NM_011303) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhrs3
Synonyms:	retSDR1; Rsdr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219327 representing NM_011303 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTGAAATGGCTGGGCGCGCTGGTAGTGTCCCTCTGCAAATGATCTATTTGGTAACCAAAGCAG
CCGTGGGAATGGTGTGCCCCCAAGCTTCGGGACTTGTGCGGGAGTCAGTCCTCATACCGGCGGTGG
GAGAGGCATCGGACGCCACCTCGCTCGGGAGTTCGCAGAGCGTGGCGCCAGAAAGATTGTTCTCTGGGG
CGGACTGAAAAATGCCTCAAGGAGACGACAGAGGAGATTCGGCAGATGGGCACAGAGTGCCACTACTTCA
TCTGTGACGTGGCAACCGGAAGAGGTGTACCAGATGGCCAAAGCTGTCCGAGAGAAGGTGGGTGACAT
CACCATCCTGGTGAACAATGCCGCTGTGGTCCATGGAAAAAGCTTGATGGACAGTGACGATGATGCCCTC
CTCAAGTCCCAGCATGTCAACACCTGGGCCAATTCTGGACCACCAAGGCCTTTTGGCCAGTATGCTGG
AACTCCAGAACGGCCATATTGTGTGCCTCAATTCGCTGCTTGACTGTCAGCCATCCCTGGCGCCATCGA
CTACTGCACGTCAAAGCATCAGCCTTCGCCTTCATGGAGAGCCTGACCTTGGGGCTGTTGGACTGTCTT
GGTGTGACGCGCCACCACCGTTCTGCCCTTTCACACCAGCACCGAGATGTTCCAGGGCATGAGAGTCAGGT
TTCCCAACCTCTCCCGCCACTGAAGCCAGAGACAGTAGCCCGGAGGACGGTAGATGCTGTGCAACAAAA
CCAGGCCCTTCTCTTGTCCCGTGGACCATGAATATCCTCATTATCTTAAAAAGCATACTCCACAAGCT
GCACTGGAGGAGATTACAGGTTCTCGGGGACTTACACCTGTATGAACACCTTTAAGGGGAGGACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219327 representing NM_011303
Red=Cloning site Green=Tags(s)

MVVKWLGALVVFPLQMIYLVTKAAVGMVLPKLRDL SRESVLITGGGRGIGRHLAREFAERGARKIVLWG
 RTEKCLKETTEEIRQMGTECHYFICDVG NREEVYQMAKAVREKVDITILVNNAAVVHGKSLMDSDDDAL
 LKSQHVNTLGQFWTTKAF LPRMLELQNGHIVCLNSVLALSAIPGAIDYCTSKASAF AFMESLTLGLLDCP
 GVSATTVLPFHTSTEMFQGM RVRFPNLFPPLK PETVARRTVDAVQQNQALLLLPWTMNILIILKSILPQA
 ALEEIHRFSGTYTCMNTFKGRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9029_b08.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_011303

ORF Size: 906 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_011303.7](#)

RefSeq Size: 1731 bp

RefSeq ORF: 909 bp

Locus ID: 20148

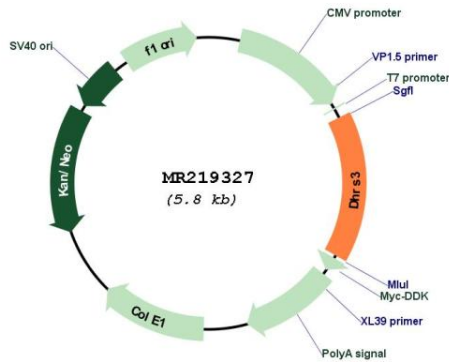
UniProt ID: [O88876](#)

Cytogenetics: 4 E1

MW: 34.1 kDa

Gene Summary: Catalyzes the reduction of all-trans-retinal to all-trans-retinol in the presence of NADPH. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219327