

Product datasheet for MR202875

Dhrs3 (BC008980) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhrs3 (BC008980) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhrs3
Synonyms:	Rsdr1, retSDR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202875 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTGCCCCCAAGCTTCGGGACTTGTGCGGGAGTCAGTCCTCATCACCGCGGTGGGAGAGGCA
TCGGACGCCACCTCGCTCGGGAGTTCGCAGAGCGCGGCCAGAAAGATTGTTCTCTGGGGCGGACTGA
AAAATGCCTCAAGGAGACGACAGAGGAGATTCGGCAGATGGGCACAGAGTGCCACTACTTCATCTGTGAC
GTGGGCAACCGGAAGAGGTGTACCAGATGGCCAAAGCTGTCCGAGAGAAGACCACCAAGGCCTTTTTC
CACGTATGCTGGAACCCAGAACGCCATATTGTGTGCCTCAATTCGGTGTGCTGACTGTCAGCCATCCC
TGGCGCCATCGACTACTGCACGTCAAAGCGTCAAGCCTTCGCCTTCATGGAGAGCCTGACCTTGGGGCTG
TTGGACTGTCCTGGTGTGACGCGCCACCACCGTTTGCCTTTCACACCAGCACCGAGATGTTCCAGGGCA
TGAGAGTCAGGTTTCCCAACCTCTTCCCGCCACTGAAGCCAGAGACAGTAGCCCGGAGGACGGTAGATGC
TGTGCAACAAAACCAGGCCCTTCTTGTCTCCCGTGGACCATGAATATCCTCATTATCTTGAAAAGCATA
CTCCACAAGCTGCACTGGAGGAGATTCACAGTTCTCGGGGACTTACACCTGTATGAACACCTTTAAGG
GGAGGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202875 protein sequence
Red=Cloning site Green=Tags(s)

MVLPPKLRDLSRESVLITGGGRGIGRHLAREFAERGARKIVLWGRTEKCLKETTEEIRQMGTECHYFICD
 VGNREEVYQMAKAVREKTTKAF LPRMLELQNGHIVCLNSVLALSAIPGAIDYCTS KASAF AFMESLTLGL
 LDCPGVSATTVLPFHTSTEMFQGMRVRFPNLFPPLKPETVARRTVDAVQQNQALLLLPWTMNILIILKSI
 LPQAAL E E I H R F S G T Y T C M N T F K G R T

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: BC008980

ORF Size: 708 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: [BC008980](#), [AAH08980](#)

RefSeq Size: 1347 bp

RefSeq ORF: 710 bp

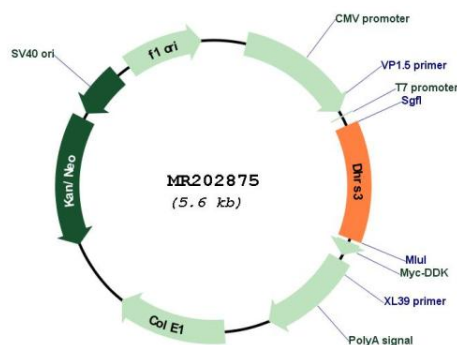
Locus ID: 20148

Cytogenetics: 4 E1

MW: 26.4 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 MR202875