

Product datasheet for **MC200436**

Dhrs4 (BC003484) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhrs4 (BC003484) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dhrs4
Synonyms:	mouNRDR, RRD
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC003484
 GTTAGGTGGCTGGACTCAAGCGTGGATGTCGGTGAGGATGGCCAGTTCGGGTTGACTCGTCGAAACCTT
 CTCTCGAATAAGGTGGCCTTGGTCACAGCCTCCACCGACGGGATCGGCTTTGCCATCGCCGTCGTCTGG
 CTGAAGATGGGGCCACGTGGTGTGTCAGCAGCCGAAACAGCAGAATGTGGACCGTGCAGTGGCCACACT
 ACAGGGAGAGGGCCTGAGTGTGACTGGCATCGTGTGCCACGTGGGGAAGGCAGAGGATCGAGAAAAGCTG
 ATAACCACGGCTCTGAAGCGTCACCGGGGATTGATATCCTGGTCTCCAATGCTGCTGTCAACCCTTCT
 TTGAAATCTAATGGATGTCACAGAGGAGGTGTGGACAAGGTTTTGAGCATTAAATGTGACAGCTACAGC
 CATGATGATTAAGCGGTGGTCCAGAGATGGAAGCGAGGAGGCGGCTCAGTGGTATTGTGGGTTCT
 GTAGCAGGCTTCACTCGGTTCCCTTCTCTGGGTCCTTACAATGTTAGCAAAACAGCTTTGCTGGGCTTA
 CTAAGAACTTTGCAGCGGAGTTGGCCCCGAAGAACATTCGAGTGAAGCTTAGCACCTGGACTCATCAA
 GACTCGATTCAGCAGTGTGTTGTGGGAGGAGAAAGCAAGAGAGGACTTCATAAAAGAAGCCATGCAAATC
 AGAAGGCTAGGCAAGCCAGAGGATTGTGCTGGCATAGTTTCCTTCTATGCTCTGAAGACGCCAGTTACA
 TCAATGGAGAGACCGTAGTAGTGGGGGAGGAACCCCTTCTCGCCTCTGAGGACCCAGAAAACAGCCTACC
 AGGGCAGGTGTGTGGGGCGGGCTCAGTCCACCTTGCCCTGTGCGCCCTCGTTGCCACCACCTAACATCT
 TGTTACCTCACAAAATCAGTTCTGCCAGTGATAAGTTCCTGCTTTCCCTGTGGTGAAGTGTGGTTCAG
 ATGAGCATCCTTGTGTTGCTATGGCCTTGAAAACGGCTTTGGGGAGGGGGCGGGAAGCTGGGGGATAGG
 TAGTGGGAAAAGGGCTTGTGAGAAGACTGTGGCTACTTGTAGTGAAGATCAAATCCCTCTCATCCTCGCC
 TCTGGACACTTTGAGGAGAGATAGAAGGGACAGACCTGAACAGAGATAGAAATTAACAATTTACGTATAA
 GGTACAAAATAAATGAAGATGATCGCGTTAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	BC003484
Insert Size:	783 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC003484 , AAH03484
RefSeq Size:	1234 bp
RefSeq ORF:	783 bp
Locus ID:	28200
Cytogenetics:	14 28.19 cM
Gene Summary:	Reduces all-trans-retinal and 9-cis retinal. Can also catalyze the oxidation of all-trans-retinol with NADP as co-factor, but with much lower efficiency. Reduces alkyl phenyl ketones and alpha-dicarbonyl compounds with aromatic rings, such as pyrimidine-4-aldehyde, 3-benzoylpyridine, 4-benzoylpyridine, menadione and 4-hexanoylpyridine. Has no activity towards aliphatic aldehydes and ketones (By similarity).[UniProtKB/Swiss-Prot Function]