

Product datasheet for MR203373

Dhrs11 (NM_177564) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhrs11 (NM_177564) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhrs11
Synonyms:	MGC18716
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203373 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTAGAGCTGGCATGGAGCGGTGGCGGACCCGGCTGGCACTGGTGACGGGAGCCTCGGGGGGCATCG
GTGCGCCGTGGCCCGGCATTAGTCCAGCAGGGACTGAAGTTGTGGTTGTGCCCGCACCGTTGGCAA
CATCGAGGAGCTGGCTGCTGAATGTAAGAGTGCAGGCTACCCCGGACTTTGATCCCTACAGATGTGAC
CTGTCAAATGAGGAGGACATCCTCTCCATGTTCTCAGCTGTCCGATCCCAGCACAGTGGCGTGGATATCT
GCATCAACAATGCCGGCATGGCCCGGCTGACACCCTGCTCTCGGCAGCACAGCGGATGGAAGGACAT
GTTCAATGTGAATGTGCTGGCCCTCAGCATCTGCACTCGGGAGGCTTATCAGTCCATGAAGGAGCGGAAC
ATAGACGACGGGCACATCATTAAACATCAACAGCATGTGTGGCCACCGAGTCCCACCCAGTCTGTGATCC
ATTTCTATAGTGCGACTAAGTATGCCGTCACTGCACTGACAGAGGGACTCAGGCAAGAGCTTCTGGAGGC
CCAGACCCATATCCGGGCCACGTGTATCTCTCCAGGCTTGGTAGAGACACAGTTCGCCTTCAAATCCAT
GACAAGGACCCGGGGGAAGCAGCTGCCACCTATGAACACATAAAGTGTCTCAGACCAGAGGACGTGGCTG
AGGCTGTCATCTACGTTCTTAGCACACCCCCACATGTTTCAGGTTGGTGACATCCAGATGAGGCCACAGA
GCAGGTGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203373 protein sequence
 Red=Cloning site Green=Tags(s)

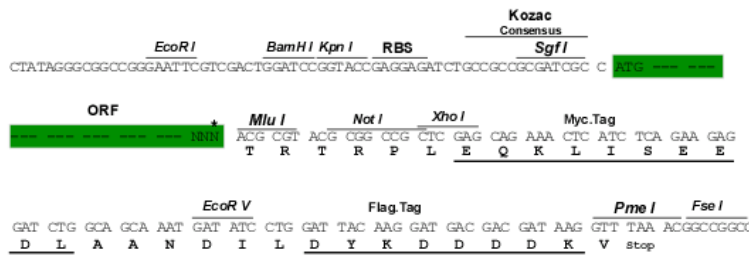
MTRAGMERWRDLALVTGASGGIGAAVARALVQQLKVVGCARTVGNIEELAAECKSAGYPGTLIPYRCD
 LSNEEDILSMFSAVRSQHSQVDICINNAGMARPDTLLSGSTSGWKDMFNVNLALSICTREAYQSMKERN
 IDDGHIININSMCGHRVPPQSVIHFYATKYAVTALTEGLRQELLEAQTHIRATCISPGLVETQFAFKLH
 DKDPGEAAATYEHKCLRPEVDVAEAVIYVLSTPPHVQVQVDIQMRPTEQVT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177564

ORF Size: 783 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_177564.5](#)

RefSeq Size: 1421 bp

RefSeq ORF: 783 bp

Locus ID: 192970

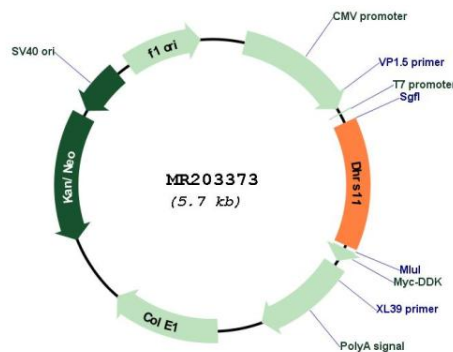
UniProt ID: [Q3U0B3](#)

Cytogenetics: 11 C

MW: 28.3 kDa

Gene Summary: Catalyzes the conversion of the 17-keto group of estrone, 4- and 5-androstenes and 5-alpha-androstanes into their 17-beta-hydroxyl metabolites and the conversion of the 3-keto group of 3-, 3,17- and 3,20- diketosteroids into their 3-hydroxyl metabolites. Exhibits reductive 3-beta-hydroxysteroid dehydrogenase activity toward 5-beta-androstanes, 5-beta-pregnanes, 4-pregnanes and bile acids. May also reduce endogenous and exogenous alpha-dicarbonyl compounds and xenobiotic alicyclic ketones.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203373