

DHRS12 cDNA

Catalog Number: ATGD0465

PRODUCT INFORMATION

Catalog number

ATGD0465

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001026889.1

Alternative Names

SDR40C1

mRNA Refseq

NM_001031719.2

OMIM

616163

Chromosome location

13q14.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

816bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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DHRS12 is a member of the short-chain dehydrogenases/reductases (SDR) family, which has over 46,000 members. Members in this family are enzymes that metabolize many different compounds, such as steroid hormones, prostaglandins, retinoids, lipids and xenobiotics. Alternative splicing results in multiple transcript variants and protein isoforms.

DATA

Sequence nucleotides

```
ATGAATCTGCATGTAAGACTTTGTCCCTCATGACTTGGAGGTCCAGATTCCTGGAAGAGTCTTTTTGGTCACTGGAGGAAA  
CAGCGGCATTGGCAAAGCAACTGCCCTTGAAATCGCCAAGCGAGAACATTTTTCTGCACATTGTGGACTTGTCTGATCCCAA  
GCAAATCTGGAAATTTGTTGAAAATTTCAAGCAGGAACATAAACTCCATGTTCTGATCAATAATGCAGGTTGCATGGTCAATA  
AAAGAGAGCTCACAGAAGATGGACTTGAAAAAACTTTGCTGCCAATACTCTGGGTGTGTACATTCTCACGACCGGCCTGAT  
CCCTGTGCTGGAGAAAGAACACGACCCCCGAGTGATAACCGTCTCCTCAGGAGGAATGTTGGTTCAGAAACTGAACACCAA  
TGATCTCCAGTCCGAAAGAACACCATTTGATGGAACATATGGTCTATGCACAAAACAAGAGGCAGCAAGTGGTTCTGACGGA  
GCGGTGGGCCCAAGGGCACCCGGCCATCCATTTTTCTCCATGCATCCTGGCTGGGCCGACACCCCAGACAGGAATGAGC  
AGGAGCTGAGGAAGGTAGTGGGAGAGGCCAGACTGCCTCACCCTCCCCAGTTTTTGGAAATAATGATGCATGAAGGTA  
AATGCCAGCCACAAGGACACAGCTCGAATGATCTGGAAGCGTGTTGGAGCAGCGGTGGAGGGGAGCAGAATTCTTCCG  
GATTGGCCTCACCAACTCCATGACCTCAGGCAGCTCACCTGGGCTCTCTGCAGCTCTTTCCTCCTCTACAAACAAGGGA  
ACT  
GA
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Transaction Sequence

```
MNLHVKTLSL MTWRSRFL EE SFWSLEETAA LAKQLPLKSP SENIFLHIVD LSDPKQIWKFVENFKQEHKL HVLINNAGCM  
VNKRELTEDG LEKNFAANTL GVIYILTGLI PVLEKEHDP RVITVSSG GML VQKLNTNDLQ SERTPFDGTM VYAQNKRQQV  
VLTERWAQGH PAIH FSSMHPGWADTPDRNE QELRKVVGEA QTASPLPRFL EIMMHEGKCQ PQGHSSNDLE  
ACWSSGGGEQNSLPDWP HQL HDLRQLTWAL CSSFLLYKQG N
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