

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

DHRS12 cDNA

Catalog Number: ATGD0465

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
GCAAATCTGGAAATTTGTTGAAAAATTTCAAGCAGGAACATAAACTCCATGTTCTGATCAATAATGCAGGTTGCATGGTCAATA
AAAGAGAGCTCACAGAAGATGGACTTGAAAAAACTTTGCTGCCAATACTCTGGGTGTGTACATTCTCACGACCGGCCTGAT
CCCTGTGCTGGAGAAAGAACACGACCCCCGAGTGATAACCGTCTCCTCAGGAGGAATGTTGGTTCAGAACTGAACACCAA
TGATCTCCAGTCCGAAAGAACACCATTTGATGGAACATATGGTCTATGCACAAAACAAGAGGCAGCAAGTGTTCTGACGGA
GCGGTGGGCCCAAGGGCACCCGGCCATCATTTTTCTTCCATGCATCCTGGCTGGGCCGACACCCCAGACAGGAATGAGC
AGGAGCTGAGGAAGGTAGTGGGAGAGGCCAGACTGCCTCACCCTCCCCAGTTTTTGGAAATAATGATGCATGAAGGTA
AATGCCAGCCACAAGGACACAGCTCGAATGATCTGGAAGCGTGTTGGAGCAGCGGTGGAGGGGAGCAGAATTCTTCCG
GATTGGCCTCACCAACTCCATGACCTCAGGCAGCTCACCTGGGCTCTCTGCAGCTCTTTCCTCCTCTACAAACAAGGGAAC
GA
```

Transaction Sequence

```
MNLHVKTLSL MTWRSRFL EE SFWSLEETAA LAKQLPLKSP SENIFLHIVD LSDPKQIWKFVENFKQEHKL HVLINNAGCM
V NKRELTEDG LEKNFAANTL GVIYLTGLI PVLEKEHDPVITVSSGGM L VQKLNTNDLQ SERTPFDGTM VYAQNKRQQV
V LTERWAQGH PAIH FSSMHPGWADTPDRNE QELRKVVGEA QTASPLPRFL EIMMHEGKCQ PQGHSSNDLE
ACWSSGGGEQNSLPDWP HQL HDLRQLTWAL CSSFLLYKQG N
```