

HSD17B1 cDNA

Catalog Number: ATGD0241

PRODUCT INFORMATION

Catalog number

ATGD0241

Product type

cDNA

Species

Human

NCBI Accession No.

NP_000404.2

Alternative Names

Hydroxysteroid 17-beta dehydrogenase 1(approved name), 17-beta-hydroxysteroid dehydrogenase type 1, 17-beta-HSD 1, 20 alpha-hydroxysteroid dehydrogenase, 20-alpha-HSD, E2DH, Estradiol 17-beta-dehydrogenase 1, Placental 17-beta-hydroxysteroid dehydrogenase, Short chain dehydrogenase/reductase family 28C member 1, HSD17B1, E17KSR, EDH17B1, EDH17B2, EDHB17, SDR28C1

mRNA Refseq

NM_000413.2

OMIM

109684

Chromosome location

17q11-q21

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

987bp

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 Nde 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)

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General Description

HSD17B1 (Hydroxysteroid (17-Beta) Dehydrogenase 1) is a Protein Coding gene. Diseases associated with HSD17B1 include ovarian disease and acute t cell leukemia. Among its related pathways are Signaling by GPCR and Disease. GO annotations related to this gene include estradiol 17-beta-dehydrogenase activity. An important paralog of this gene is HSD11B2.

DATA

Sequence nucleotides

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ATGGCCCCGACCGTGGTGCTCATCACCGGCTGTTCTCGGGCATCGGCCTGCACTTGGCCGTACGTCTGGCTTCAGATCCA
TCCCAGAGCTTCAAAGTGTATGCCACGTTGAGGGACCTGAAAACACAGGGCCGGCTGTGGGAGGCGGCCCGGGCCCTGGC
ATGCCCTCCGGGATCCCTGGAGACGTTGCAGCTGGACGTAAGGGACTCAAATCCGTGGCCGCTGCCCGGGAACGCGTGA
CTGAGGGCCGCGTGGACGTGCTGGTGTGTAACGCAGGCCTGGGCCTGCTGGGGCCGCTGGAGGCGCTGGGGGAGGACG
CCGTGGCCTCTGTGCTGGACGTGAATGTAGTAGGGACTGTGCGGATGCTGCAGGCCTTCTGCCAGACATGAAGAGGCGC
GGTTCGGGACGCGTGTGGTGACCGGGAGCGTGGGAGGATTGATGGGGCTGCCTTTCAATGACGTTTATTGCGCCAGCAA
GTTTCGCGCTCGAAGGCTTATGCGAGAGTCTGGCGGTTCTGCTGCTGCCCTTTGGGGTCCACTTGAGCCTGATCGAGTGCGG
CCCAGTGACACCGCCTTCATGGAGAAGGTGTTGGGCAGCCCAGAGGAGGTGCTGGACCGCACGGACATCCACACCTTCC
ACCGCTTCTACCAATACCTCGCCACAGCAAGCAAGTCTTTCGCGAGGCGGCGCAGAACCCTGAGGAGGTGGCGGAGGTC
TTCCTCACCGCTTTGCGCGCCCCGAAGCCGACCCTGCGCTACTTCACCACCGAGCGCTTCTGCCCTGCTGCGGATGCGC
CTGGACGACCCCAGCGGCTCCAACACTACGTCACCGCCATGCACCGGGAAGTGTTCGGCGACGTTCCGGCAAAGGCCGAGGC
TGGGGCCGAGGCTGGGGGCGGGGCCGCTGGGGCAGAGGACGAGGCCGGGCGCGGTGCGGTGGGGGACCCTGAGC
TCGGCGATCCTCCGGCCGCCCGCAGTAA
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Transaction Sequence

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MARTVVLITG CSSGIGLHLA VRLASDPSQS FKVYATLRDL KTQGRLWEAA RALACPPGSL ETLQLDVRDS KSVAAARERV
TEGRVDVLC NAGLGLLGPL EALGEDAVAS VLDVNVVGTV RMLQAFLPDM KRRGSGRVLV TGSVGLMGL PFNDVYCASK
FALEGLCESL AVLLLPFGVH LSLIECPVH TAFMEKVLGS PEEVLDRTDI HTFHRFYQYL AHSKQVFREA AQNPEEVAEV
FLTALRAPKP TLRYFTTERF LPLLRMLDD PSGSNYVTAM HREVFQDVPA KAEAGAEAGG GAGPGAEDA GRGAVGDPEL
GDPPAAPQ
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