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

ATGGCCCGCACCGTGGTGCTCATCACCGGCTGTTCCTCGGGCATCGGCCTGCACTTGGCCGTACGTCTGGCTTCAGATCCA
TCCCAGAGCTTCAAAGTGTATGCCACGTTGAGGGACCTGAAAACACAGGGCCGGCTGTGGGAGGCGGCCCGGGCCCTGGC
ATGCCCTCCGGGATCCCTGGAGACGTTGCAGCTGGACGTAAGGGACTCAAAATCCGTGGCCGCTGCCCGGGAACGCGTGA
CTGAGGGCCGCGTGGACGTGCTGGTGTGTAACGCAGGCCTGGGCCTGCTGGGGCCGCTGGAGGCGCTGGGGGAGGACG
CCGTGGCCTCTGTGCTGGACGTGAATGTAGTAGGGACTGTGCGGATGCTGCAGGCCTTCCTGCCAGACATGAAGAGGCGC
GGTTCGGGACGCGTGTTGGTGACCGGGAGCGTGGGAGGATTGATGGGGCTGCCTTTCAATGACGTTTATTGCGCCAGCAA
GTTCGCGCTCGAAGGCTTATGCGAGAGTCTGGCGGTTCTGCTGCTGCCCTTTGGGGTCCACTTGAGCCTGATCGAGTGCGG
CCCAGTGCACACCGCCTTCATGGAGAAGGTGTTGGGCAGCCCAGAGGAGGTGCTGGACCGCACGGACATCCACACCTTCC
ACCGCTTCTACCAATACCTCGCCCACAGCAAGCAAGTCTTTCGCGAGGCGGCGCAGAACCCTGAGGAGGTGGCGGAGGTC
TTCCTCACCGCTTTGCGCGCCCCGAAGCCGACCCTGCGCTACTTCACCACCGAGCGCTTCCTGCCCCTGCTGCGGATGCGC
CTGGACGACCCCAGCGGCTCCAACTACGTCACCGCCATGCACCGGGAAGTGTTCGGCGACGTTCCGGCAAAGGCCGAGGC
TGGGGCCGAGGCTGGGGGCGGGGCCGGGCCTGGGGCAGAGGACGAGGCCGGGCGCGGTGCGGTGGGGGACCCTGAGC
TCGGCGATCCTCCGGCCGCCCCGCAGTAA

Transaction Sequence

MARTVVLITG CSSGIGLHLA VRLASDPSQS FKVYATLRDL KTQGRLWEAA RALACPPGSL ETLQLDVRDS KSVAAARERV
TEGRVDVLVC NAGLGLLGPL EALGEDAVAS VLDVNVVGTV RMLQAFLPDM KRRGSGRVLV TGSVGGLMGL PFNDVYCASK
FALEGLCESL AVLLLPFGVH LSLIECGPVH TAFMEKVLGS PEEVLDRTDI HTFHRFYQYL AHSKQVFREA AQNPEEVAEV
FLTALRAPKP TLRYFTTERF LPLLRMRLDD PSGSNYVTAM HREVFGDVPA KAEAGAEAGG GAGPGAEDEA GRGAVGDPEL
GDPPAAPQ