

DECR2 cDNA

Catalog Number: ATGD0247

PRODUCT INFORMATION

Catalog number

ATGD0247

Product type

cDNA

Species

Human

NCBI Accession No.

NP_065715.1

Alternative Names

PDCR, SDR17C1

mRNA Refseq

NM_020664.3

OMIM

615839

Chromosome location

16p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

879bp

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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Auxiliary enzyme of beta-oxidation. Participates in the degradation of unsaturated fatty enoyl-CoA esters having double bonds in both even- and odd-numbered positions in peroxisome. Catalyzes the NADP-dependent reduction of 2, 4-dienoyl-CoA to yield trans-3-enoyl-CoA. Has activity towards short and medium chain 2, 4-dienoyl-CoAs, but also towards 2, 4, 7, 10, 13, 16, 19-docosaheptaenoyl-CoA, suggesting that it does not constitute a rate limiting step in the peroxisomal degradation of docosahexaenoic acid.

DATA

Sequence nucleotides

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ATGGCCCAGCCGCCGCCGACGTGGAGGGGGACGACTGTCTCCCCGCGTACCGCCACCTCTTCTGCCCGGACCTGCTGCG
GGACAAAGTGGCCTTCATCACAGGAGGCGGCTCTGGGATTGGGTTCCGGATTGCTGAGATTTTCATGCGGCACGGCTGCCA
TACGGTGATTGCCAGTAGGAGCCTGCCGCGAGTGCTGACGGCCGCCAGGAAGCTGGCTGGGGCCACCGGCCGGCGCTGC
CTCCCTCTCTCTATGGACGTCCGAGCGCCCCCAGCTGTCATGGCCGCCGTGGACCAGGCTCTGAAGGAGTTTGGCAGAATC
GACATTCTCATTAACTGTGCGGCCGGGAACCTTCCTGTGCCCCGCTGGCGCCTTGTCCTTCAACGCCTTCAAGACCGTGATGG
ACATCGATAACCAGCGGCACCTTCAATGTGTCTCGTGTGCTCTATGAGAAAGTTCTTCCGGGACCACGGAGGGGTGATCGTGA
ACATCACTGCCACCCTGGGGAACCGGGGGCAGGCGCTCCAGGTGCATGCAGGCTCCGCCAAGGCCGCTGTGGACGCGAT
GACGCGGCACTTGGCTGTGGAGTGGGGTCCCCAAAACATCCGCGTCAACAGCCTCGCCCCCTGGCCCCATCAGTGGCACAG
AGGGGCTCCGGCGACTGGGTGGCCCTCAGGCCAGCCTGAGCACCAAGGTCACTGCCAGCCCGCTGCAGAGGCTGGGGAA
CAAGACCGAGATCGCCACAGCGTGCTCTACCTGGCCAGCCCTCTGGCTTCTACGTGACGGGGGCCGTGCTGGTGGCCG
ATGGCGGGGCATGGTTGACGTTCCCAAACGGTGTCAAAGGGCTGCCGATTTCGCATCCTTCTCTGCTAAGCTCTAG
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Transaction Sequence

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MAQPPPDVEG DDCLPAYRHL FCPDLLRDKV AFITGGGSGI GFRIAEIFMR HGCHTVIASRSLPRVLTAAR KLAGATGRRC
LPLSMDVRAP PAVMAAVDQA LKEFGRIDIL INCAAGNFLCPAGALSFAF KTVMDIDTSG TFNVSRLVLYE KFFRDHGGVI
VNITATLGNR GQALQVHAGSAKAAVDAMTR HLAVEWGPQN IRVNSLAPGP ISGTEGLRRL GGPQASLSTK
VTASPLQRLGNKTEIAHSV LYLASPLASYV TGAVLVADGG AWLTFPNGVK GLPDFASFSA KL
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