

PPCS cDNA

Catalog Number: ATGD0132

PRODUCT INFORMATION

Catalog number

ATGD0132

Product type

cDNA

Species

Human

NCBI Accession No.

NP_078940.2

Alternative Names**mRNA Refseq**

NM_024664.3

OMIM

609853

Chromosome location

1p34.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

936bp

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 inserted 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)

General Description

Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in

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prokaryotes and eukaryotes. PPCS, one of the last enzymes in this pathway, converts phosphopantothenate to phosphopantothenoylcysteine.

DATA

Sequence nucleotides

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ATGGCGGAAATGGATCCGGTAGCCGAGTTCCCCAGCCTCCCGGTGCTGCGCGCTGGGCTGAGGTTATGGCTCGCTTCGC
GGCCAGGCTGGGCGCGCAGGGCCGGCGGGTGGTGTGGTTACGTCAGGCGGCACCAAGGTCCCACTGGAAGCGCGGCC
GGTGCGCTTCCTGGACAACCTTCAGCAGCGGGCGGCGCGGTGCAACCTCGGCCGAGGCCTTCCTAGCCGCCGGCTACGGG
GTCCTGTTCTTGATCGCGCTCGCTCTGCCTTCCCCTATGCCACCGCTTCCACCCCAGACTTGCGTGTCCGCTCTGCGGC
CTTCGGGCCCCAGCCCTTTCGGGCTTGCTGAGCCTGGAGGCCGAGGAGAATGCACTTCCGGGTTTTGCTGAGGCTCTGAGG
AGCTACCAGGAGGCTGCGGCTGCAGGCACCTTCCTGGCAGTAGAGTTCACCACTTTGGCGGACTATTTGCATCTGTTGCAG
GCTGCGGCCCCAGGCACTCAATCCGCTAGGCCCTTCTGCGATGTTTTACCTGGCTGCGGCTGTGTCAGATTTCTATGTTCTTG
TCTCTGAAATGCCTGAACACAAGATCCAGTCATCTGGGGGGCCCACTGCAGATAACAATGAAGATGGTGCCAAAACCTGCTTTC
TCCTTTGGTTAAAGATTGGGCTCCCAAAGCATTTATAATTTCTTTAAGTTGGAGACTGACCCCGCCATTGTAATTAATCGAG
CTCGGAAGGCTTTGGAAATTTATCAGCATCAAGTGGTGGTGGCTAATATCCTTGAGTCACGACAGTCCTTTGTGTTTATTGTA
ACCAAAGACTCGGAAACCAAGTTATTGCTATCAGAGGAAGAAATAGAAAAAGGCGTAGAGATAGAAGAGAAGATAGTGGAT
AATCTTCAGTCTCGACACACAGCTTTTATAGGTGACAGAACTGA
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Transaction Sequence

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MAEMDPVAEF PQPPGAARWA EVMARFAARL GAQGRRVVLV TSGGTKVPLE ARPVRFLDNF SSGRRGATSA EAFLAAGYGV
LFLYRARSFA PYAHRFPQT WLSALRPSGP ALSGLLSLEA EENALPGFAE ALRSYQAAA AGTFLAVEFT TLADYLHLLQ
AAAQALNPLG PSAMFYAAA VSDFYVPVSE MPEHKIQSSG GPLQITMKMV PKLLSPLVKD WAPKAFIISF KLETDPAlVI
NRARKALEIY QHQVVVANIL ESRQSFVIV TKDSETKLLL SEEEIEKGVE IEEKVDNLQ SRHTAFIGDR N
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