

NUDT14 cDNA

Catalog Number: ATGD0418

PRODUCT INFORMATION

Catalog number

ATGD0418

Product type

cDNA

Species

Human

NCBI Accession No.

NP_803877.2

Alternative Names

UGPP, UGPPase

mRNA Refseq

NM_177533.3

OMIM

609219

Chromosome location

14q32.33

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

669bp

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

NUDT14 cDNA

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NUDT14 is a UDPG pyrophosphatase that hydrolyzes UDPG to produce glucose 1-phosphate and UMP. UDP-glucose (UDPG) acts as the sugar donor in numerous glycosylation reactions, including those involved in the production of glycogen.

DATA

Sequence nucleotides

```
ATGGAGCGCATCGAGGGGGCGTCCGTGGGCCGCTGCGCCGCCTCACCCCTACCTGCGGCCGCTCACGCTGCATTACCGCCA
GAATGGTGCCAGAAAGTCCTGGGACTTCATGAAGACGCATGACAGCGTGACCGTTCTCTTATTCAACTCTTCTCGGAGGAG
CCTGGTGTGGTGAAGCAGTTCCGGCCAGCTGTGTATGCGGGTGAGGTGGAGCGCCGCTTCCCAGGGTCCCTAGCAGCTG
TAGACCAGGACGGGCCTCGGGAGCTACAGCCAGCCCTGCCCGGCTCAGCGGGGGTGACAGTTGAGCTGTGTGCCGGCCT
CGTGGACCAGCCTGGGCTCTCGCTGGAGGAAGTGGCTTGCAAGGAGGCTTGGGAGGAGTGTGGCTACCACTTGGCCCCCT
CTGATCTGCGCCGGGTGCGCCACATACTGGTCTGGAGTGGGACTGACTGGCTCCAGACAGACCATGTTCTACACAGAGGTGA
CAGATGCCCAGCGTAGCGGTCCAGGTGGGGGCCTGGTGGAGGAGGGTGAGCTCATTGAGGTGGTGCACCTGCCCTGGA
AGGCGCCCAGGCCTTTGCAGACGACCCGGACATCCCCAAGACCCTCGGCGTCATCTTTGGTGTCTCATGGTTCCCTCAGCCA
GGTGGCCCCAACCTGGATCTCCAGTGA
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Transaction Sequence

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MERIEGASVG RCAASPYLRP LTLHYRQNGA QKSWDFMKTH DSVTVLLFNS SRRSLVLVKQ FRPAVYAGEV ERRFPGLAA
VDQDGPRELQ PALPGSAGVT VELCAGLVDQ PGLSLEEVAC KEAWEECGYH LAPSDLRVA TYWSGVGLTG SRQTMFYTEV
TDAQRSGPGG GLVEEGELIE VVHLPLEGAQ AFADDPDIPK TLGVIFGVSW FLSQVAPNLD LQ
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