IDNK cDNA

Catalog Number: ATGD0315

PRODUCT INFORMATION

Catalog number
ATGD0315

Product type
cDNA

Species
Human

NCBI Accession No.
NP_001001551.2

Alternative Names
bA522I20.2, C9orf103

mRNA Refseq
NM_001001551.3

OMIM
611343

Chromosome location
9q21.32

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
564bp

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

IDNK cDNA

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IDNK belongs to the gluconokinase GntK/GntV family. It is involved in the pathway D-gluconate degradation, which is part of Carbohydrate acid metabolism.

DATA

Sequence nucleotides

ATGGCGGCGCCGGGCGCGCTGCTGGTGATGGGCGTGAGCGGCTCGGGGAAATCCACCGTGGGCGCCCTGCTGGCATCTG
AGCTGGGATGGAAATTCTATGATGCTGATGATTATCACCCGGAGGAAAATCGAAGGAAGATGGGAAAAGGCATACCGCTCA
ATGACCAGGACCGGATTCCATGGCTCTGTAACTTGCATGACATTTTACTAAGAGATGTAGCCTCGGGACAGCGTGTGGTTCT
AGCCTGTTCAGCCCTGAAGAAAACGTACAGAGACATATTAACACAAGGAAAAGATGGTGTAGCTCTGAAGTGTGAGGAGTC
GGGAAAGGAAGCAAAGCAGGCTGAGATGCAGCTCCTGGTGGTCCATCTGAGCGGGTCGTTTGAGGTCATCTCTGGACGCT
TACTCAAAAGAGAGGGACATTTTATGCCCCCTGAATTATTGCAGTCCCAGTTTGAGACTCTGGAGCCCCCAGCAGCTCCAGA
AAACTTTATCCAAATAAGTGTGGACAAAAATGTTTCAGAGATAATTGCTACAATTATGGAAACCCTAAAAATGAAATGA

Transaction Sequence

MAAPGALLVM GVSGSGKSTV GALLASELGW KFYDADDYHP EENRRKMGKG IPLNDQDRIPWLCNLHDILL RDVASGQRVV
LACSALKKTY RDILTQGKDG VALKCEESGK EAKQAEMQLLVVHLSGSFEV ISGRLLKREG HFMPPELLQS QFETLEPPAA
PENFIQISVD KNVSEIIATIMETLKMK