

## IDNK cDNA

Catalog Number: ATGD0315

### PRODUCT INFORMATION

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**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

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**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

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### Sequence nucleotides

```
ATGGCGGCGCCGGGCGCGCTGCTGGTGATGGGCGTGAGCGGCTCGGGGAAATCCACCGTGGGCGCCCTGCTGGCATCTG
AGCTGGGATGGAAATTCTATGATGCTGATGATTATCACCCGGAGGAAAATCGAAGGAAGATGGGAAAAGGCATACCGCTCA
ATGACCAGGACCCGATTCCATGGCTCTGTAACCTGCATGACATTTACTAAGAGATGTAGCCTCGGGACAGCGTGTGGTTCT
AGCCTGTTTCAGCCCTGAAGAAAACGTACAGAGACATATTAACACAAGGAAAAGATGGTGTAGCTCTGAAGTGTGAGGAGTC
GGGAAAGGAAGCAAAGCAGGCTGAGATGCAGCTCCTGGTGGTCCATCTGAGCGGGTTCGTTTGAGGTCATCTCTGGACGCT
TACTCAAAGAGAGGGGACATTTTATGCCCCCTGAATTATTGCAGTCCCAGTTTGAGACTCTGGAGCCCCCAGCAGCTCCAGA
AAACTTTATCCAATAAGTGTGGACAAAATGTTTCAGAGATAATTGCTACAATTATGGAAACCCTAAAAATGAAATGA
```

### Transaction Sequence

```
MAAPGALLVM GVSGSGKSTV GALLASELGW KFYDADDYHP EENRRKMGKG IPLNDQDRIPWLCNLHDILL RDVASGQRVV
LACSALKKTY RDILTQKGDG VALKCEESGK EAKQAEMQLLVVHLSGSFEV ISGRLLKREG HFMPELLQS QFETLEPPAA
PENFIQISVD KNVSEIIATIMETLKMK
```