

DNAL4 cDNA

Catalog Number: ATGD0239

PRODUCT INFORMATION

Catalog number

ATGD0239

Product type

cDNA

Species

Human

NCBI Accession No.

NP_005731.1

Alternative Names

MRMV3, PIG27

mRNA Refseq

NM_005740.2

OMIM

610565

Chromosome location

22q13.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

318bp

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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DNAL4 encodes an axonemal dynein light chain which functions as a component of the outer dynein arms complex. This complex acts as the molecular motor that provides the force to move cilia in an ATP-dependent manner. The encoded protein is expressed in tissues with motile cilia or flagella and may be involved in the movement of sperm flagella.

DATA

Sequence nucleotides

```
ATGGGAGAAACAGAAGGGAAGAAAGATGAGGCTGATTATAAGCGACTGCAGACCTTCCCTCTGGTCAGGCACTCGGACAT
GCCAGAGGAGATGCGCGTGGAGACCATGGAGCTATGTGTACAGCCTGTGAGAAATTCTCCAACAACAACGAGAGCGCCG
CCAAGATGATCAAAGAGACAATGGACAAGAAGTTCGGCTCCTCCTGGCACGTGGTGATCGGCGAGGGCTTTGGGTTTGAGA
TCACCCACGAGGTGAAGAACCTCCTCTACCTGTACTTCGGGGGCACCCTGGCTGTGTGCGTCTGGAAGTGCTCCTGA
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Transaction Sequence

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MGETEGKKDE ADYKRLQTFP LVRHSDMPPE MRVETMELCV TACEKFSNNN ESAAKMIKET MDKKFGSSWH VVIGEGFGE
ITHEVKNLLY LYFGGTLAVC VWKCS
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