

## IFT22 cDNA

Catalog Number: ATGD0461

### PRODUCT INFORMATION

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**Catalog number**

ATGD0461

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_073614.1

**Alternative Names**

Intraflagellar transport 22, IFT22, RAB, Member RAS oncogene family-like 5, RABL5, Rab-like protein 5 isoform a, FAP9

**mRNA Refseq**

NM\_022777.2

**OMIM****Chromosome location**

7q22.1

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

558bp

**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 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**

## IFT22 cDNA

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IFT22 (Intraflagellar Transport 22) is a small GTPase-like component of the intraflagellar transport (IFT) complex B.

### DATA

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#### Sequence nucleotides

```
ATGCTGAAAGCCAAGATCCTCTTCGTGGGGCCTTGCGAGAGTGGAAAACTGTTTTGGCCAACCTTCTGACAGAATCTTCTG
ACATCACTGAATACAGCCCAACCCAAGGAGTGAGGATCCTAGAATTTGAGAACCCGCATGTTACCAGCAACAACAAAGGCA
CGGGCTGTGAATTCGAGCTATGGGACTGTGGTGGCGATGCTAAGTTTGAGTCCTGCTGGCCGGCCCTGATGAAGGATGCTC
ATGGAGTGGTGTATCGTCTTCAATGCTGACATCCCAAGCCACCGGAAGGAAATGGAGATGTGGTATTCTGCTTTGTCCAACA
GCCGTCCTTACAGGACACACAGTGTATGCTAATTGCACACCACAAACCAGGCTCTGGAGATGATAAAGGAAGCCTGTCTTTG
TCGCCACCCTTGAACAAGCTGAAGCTGGTGCCTCAAACCTGGAAGATGACCCTGAGGAGATCCGGATGGAATTCATAAAG
TATTTAAAAAGCATAATCAACTCCATGTCTGAGAGCAGAGACAGGGAGGAGATGTCAATTATGACCTAG
```

#### Transaction Sequence

```
MLKAKILFVG PCESGKTVLA NFLTESSDIT EYSPTQGVRI LEFENPHVTS NNKGTGCEFE LWDCGGDAKF ESCWPALMKD
AHGVVIVFNA DIPSHRKEME MWYSCFVQQP SLQDTQCMLI AHHKPGSGDD KGSLSLSPPL NKLKLVHSNL EDDPEEIRME
FIKYLKSIIN SMSESRDREE MSIMT
```