

## Product datasheet for **MG201728**

### Ift22 (NM\_026073) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Tag:** TurboGFP  
**Symbol:** Ift22  
**Synonyms:** 3110017O03Rik; A1835745; A1847427; Rab15  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG201728 representing NM\_026073  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCTGAAGGCTAAGATCCTCTTCGTGGGCCCTGCGAGAGCGGCAAAACAGTGTGGCCAACTTTCTCA  
CTGAATCTTCGGACATCACTGAATATAACCCAACACAAGGTGTGAGGATCCTAGAGTTTGAGAACCACACA  
TGTCACCAGCAACAACAAGGCACGGGCTCGCAATTCGAGCTCTGGGACTGTGGTGGCGACTCTAAGTTT  
GAGTCCTGCTGGCCCGCTCTGATGAAGGATGCTCATGGAGTGGTATTGTCTTCAATGCTGATATCCCAA  
GCCACCTAAAGGAAATTGAAATGTGGTATTCTGTGTTTGTCCAGCAACAGTTCCTCCAAGACAGTCACTG  
CATGCTTGTGGCCACCACAAACCGGGCTCCGGAGGAGAAAGGGGACGCTGGCTTTGTCTCCCCCTTG  
AACAGCTGAAGCTGGTCACTCAAACCTGGAGGAAGACCCTGAGGAGTCCGGGTGGAGTTCATCAAGT  
ATTTAAAAAGCATCATCAACTCCATGTCGGAGAGCAGAGACCGCGAGGAGATGCTTATCATCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201728 representing NM\_026073  
Red=Cloning site Green=Tags(s)

MLKAKILFVGPCESGKTVLANFLTESSDITEYNPTQGVRILEFENPHVTSNNKGTGCEFELWDCGGDSKF  
ESCWPALMKDAHGVVIVFNADIPSHLKEIEMWYSCFVQQQFLQDSHCLVAHHKPGSGGERGLALSPPL  
NKLKLVHSNLEEDPEEVRVEFIKYLKSIINSMSES RDREMLIIT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



Cloning Scheme:



ACCN: NM\_026073

ORF Size: 555 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_026073.2](#)

**RefSeq Size:** 911 bp

**RefSeq ORF:** 558 bp

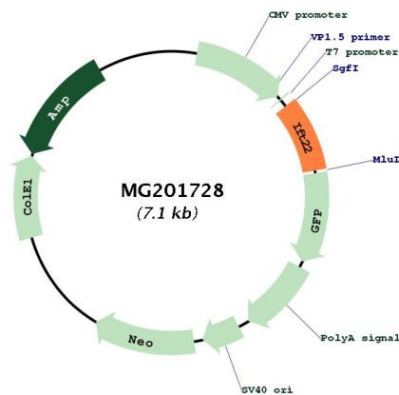
**Locus ID:** 67286

**UniProt ID:** [Q9DAI2](#)

**Cytogenetics:** 5 G2

**Gene Summary:** Small GTPase-like component of the intraflagellar transport (IFT) complex B.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG201728