

## Product datasheet for MC211732

### Ift43 (NM\_029601) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ift43 (NM\_029601) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ift43  
**Synonyms:** 1700019E19Rik; R75064  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211732 representing NM\_029601  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGACGATTTACTGGACCTGGGCGAGGAGAGACGTCGCAGCTCGGCCACCTCCGGGGCCAAGATGGGAC  
GCCGGGCTCATCAGGAGTCGACTCAGGCTGAGAATTACTTAAACAGCAAGAATTCCTCACTGACTCAGAC  
TGGAGAGGCTCCCCACCGAAACCACCTCGAAGGCAGGGAGGCTGGGCGGATGACTCCATGAAGATGGCG  
AATCACCGCCTCCGACAGCAGAACCTGATGGGGTCAGACGACGACGATATTCCTGTGATCCAGACTGG  
AAGATGTGCAGGAGGAAGACTTTGTGCTACAGGTGGCGTCTCCTCCAAGTATCCAGGTAACCGAGTGAT  
GACCTACCGTGACCTGGACAATGACCTCATGAAGTACTCGGCCTTTCAGACTTTGGATGGAGAAATTGAC  
CTGAAACTCCTCACCAAAGTGCTGGCCCGAGAGCATGAAGTGCGAGAGGATGATGTGGGCTGGGACTGGG  
ACCATCTGTACACCGAGGTGCTCAGAGCTCCTCACTGAGTGGGACCTGCTGCGGGCAGAGAAGGAGGA  
TCCTGTGGGACCATCTAGGTACAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_029601  
**Insert Size:** 588 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_029601.3, NP_083877.1</u>
<b>RefSeq Size:</b>	792 bp
<b>RefSeq ORF:</b>	588 bp
<b>Locus ID:</b>	76411
<b>UniProt ID:</b>	<u>Q9DA69</u>
<b>Cytogenetics:</b>	12 D2
<b>Gene Summary:</b>	<p>As a component of IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs), it is involved in ciliogenesis. Involved in retrograde ciliary transport along microtubules from the ciliary tip to the base. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>