

Product datasheet for **MC226299**

Ift43 (NM_001199843) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ift43 (NM_001199843) 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: >MC226299 representing NM_001199843
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACGATTTACTGGACCTGGGCGAGGAGAGACGTCGCAGCTCGGCCACCTCCGGGGCCAAGATGGGAC
GCCGGCTCATCAGGAGTCGACTCAGGCTGAGAATTACTTAAACAGCAAGAATTCCTCACTGACTCAGAC
TGGAGAGGCTCCCCACCGAAACCACCTCGAAGGCAGGGAGGCTGGGCGGATGACTCCATGAAGATGGCG
AAATTGGGAAAGAAAGTTTCTGAAGAGATGGAAGATCACCGCCTCCGACAGCAGAACCTGATGGGGTCAG
ACGACGACGATATTCCTGTGATCCAGACCTGGAAGATGTGCAGGAGGAAGACTTTGTGCTACAGGTGGC
GTCTCCTCCAAGTATCCAGGTAAACCGAGTGATGACCTACCGTGACCTGGACAATGACCTCATGAAGTAC
TCGGCCTTTCAGACTTTGGATGGAGAAATTGACCTGAACTCCTACCAAAGTGCTGGCCCCAGAGCATG
AAGTGGAGAGGATGATGTGGGCTGGGACTGGGACCATCTGTACACCGAGGTGTCCTCAGAGCTCCTCAC
TGAGTGGGACCTGCTGCGGGCAGAGAAGGAGGATCCTGTGGGACCATCTAGGTACAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001199843
Insert Size: 621 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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| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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: | <ol style="list-style-type: none">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. |
| RefSeq: | <u>NM_001199843.1</u> , <u>NP_001186772.1</u> |
| RefSeq Size: | 825 bp |
| RefSeq ORF: | 621 bp |
| Locus ID: | 76411 |
| UniProt ID: | <u>Q9DA69</u> |
| Cytogenetics: | 12 D2 |
| Gene Summary: | <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 (1) represents the longer transcript and encodes the longer isoform (1).</p> |