

Product datasheet for **MC221866**

Ift88 (NM_009376) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ift88 (NM_009376) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ift88
Synonyms:	AW552028; flexo; fxo; orpk; polaris; Tg737; Tg737Rpw; TgN737Rpw; Ttc10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221866 representing NM_009376
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGAAAATGTTTCATCTGGCACCAGAAACAGATGAGGACGACCTTTACTCTGGTTTCAACGACTACA
ACCCAGCCTATGATACTGAGGAGTTGGAGAATGACACGGGTTTTAGCAAGCAGTGAGAACCAGTATGG
CAGAAGACCTCCCGTAAGTCTAAAATACCAAGCACAGCAGTGCAGAGCCCATAGCTACTGGATATGGG
TCCAAGACATCCCTGACATCATCAATGGGAAGACCGATGACAGGGACAATTCAGGATGGAGTTGCTCGAC
CGATGACAGCAGTGAGAGCAGCTGGCTTTTCCAAGGCAGCTTTCGAGGGCTCTGCATTTGACCCCTTGG
TCAGTCCAGGGCCCTGCTCCTCTTTGGAAGCCAAAAATGAAGACAGTCCAGAAGAAAAAATTAGACAG
TTGGAGAAGAAAGTAAATGAGTTGGTGGAAAGAGCTGTATTGCCAACAGTTGTGGAGACTTAAACTGG
CCTTAGAGAAGGCAAAAGATGCAGGAAGAAAAGAGAGAGTCTGGTGAGACAACGAGAGCAAGTACAAG
TCCAGAAAATATCAACTGGACTTAACCTACTCCGTTCTTTTCAACTGGCCAGTCAATCTCTGCTAAT
GAAATGTATGCAGAAGCACTGAACACATACCAAGTTATAGTGAAAAACAAGATGTTTAGCAATGCAGGAA
GACTGAAAGTGAATATGGGAAATATTTATTTAAAGCAGAGAAATTATCCAAAGCCATTAAGTTCTACCG
AATGGCCTTAGATCAGATCCCAAGTGTCCATAAAGAAATGAGGATCAAAAATATGCAGAACATTGGAATC
ACATTTATAAAAACTGGTCAGTACTCAGATGCCATCAACTCATTGAGCAGTATGAGCATGGCCCCGA
GCCTGAAGGCAGGCTTCAACCTCATCCTTAGTTGTTTTGCCATTGGAGATCGGGAGAAAAATGAAGAAGGC
ATTCAAAAATTAATTGCTGTCCGTTAGAAATGATGAAGATGATAAATATATCTCCCAAGTATGAT
CCCCATACTAAGTGTGATTGAAGCTATAAAAAATGACCACCTTAGGCAATGGAACGTGAAAGGAAAG
CCATGGCAGAAAAATACATCATGACAGCTGCAAAACTCATTGCTCCTGTGATCGAAGCGTCTTTTGTCTGT
GGTTATAAAGTGTGTGGAAAGTAGTAAAGCCTCTCAGTATGTGGAGCTGGCCAACGACTGGAGATT
AACAAAGCAATTACTTACTTGAGACAAAAGGACTTTAACCAAGCTGTAGACACATTGAAAATGTTTGAGA
AGAAGGACAGTAGAGTGAAGAGTGCAGCTGCGACCAACCTCTCGTTCCTGTATTATCTGGAAAACGAATT
TGCCCAAGCCAGCAGCTATGCAGATTTAGCTGTGAACTCGGATAGATATAACCCGTGAGTCTCACTAAT
AAAGGGAACACAGTTTTTGCAAATGGTATTATGAGAAGGCAGCTGAGTTCTATAAAGAGGCCCTGAGAA
ACGACTCTTCTGTACTGAAGCACTGTATAACATTGGCCTCACCTATAAGAAGCTGAACCGTCTGGATGA
AGCCCTGGACTCCTTCTGAAACTGCACGCGATCCTTCGGAACAGCGCTCAAGTTCTTTGCCAGATAGCA
AACATATATGAGTTAATGGAAGATCCCAATCAAGCTATTGAATGGCTGATGCAGTTGATCAGCGTTGTC
CAACTGATTCCTAAGCTCTGTCTAAACTGGGAGAGTTATACGATAGTGAGGGAGACAAGTCCCAGGCATT
CCAATATTAATGAGTCATACAGGATTTCCCTTCTAACATTGAAGTATTGAATGGCTTGGAGCTTAT
TACATTGATACACAGTTCTGCGAGAAAAGCCATTGAGTACTTTGAAAGAGCTTCCCTTATACAACCCACAC
AAGTGAAGTGGCAGCTGATGGTAGCTAGCTGCTTTAGAAGAAGTGGTAACTACCAAAAGGCATTAGATAC
TTATAAAGAGATTCACAGGAAATTTCCGGAGAATGTTGAATGTTTGCCTTCTTGGTTCTGCTCTGCACA
GATATTGGATTAAGAAGAGTTCAAGAATATGCCACAAAACCTCAAGAGGTTGAAAAAATGAAAGAAATGA
GGGAACAGCGCATAAAATCGGGCAGAGACAGCAGCGGGGTTCTCGCAGCAAACGAGAGGGGAGTGTCTGG
CAGTGACAGTGGCCAGAACAATAGTGCCAGTGTAAAGAGTGAACGACTGAGTGCCAAGCTCAGAGCTTTG
CCTGGGACAGATGAACCTTATGAAAGTAGCGGTAACAAAGAAATAGATGCCTCCTACGTGGATCCACTGG
GCCCTCAGATAGAAAGACCAAAAACCTGCAGCCAAGAAAAGAAATTGACGAGGATGATTTTGTCTGATGAAGA
GTTAGGAGATGACTTGTCCAGAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2024_f02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_009376

Insert Size: 2478 bp

OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_009376.2 , NP_033402.2
RefSeq Size:	3097 bp
RefSeq ORF:	2478 bp
Locus ID:	21821
UniProt ID:	Q61371
Cytogenetics:	14 30.1 cM
Gene Summary:	Involved in primary cilium biogenesis. Also involved in autophagy since it is required for trafficking of ATG16L and the expansion of the autophagic compartment.[UniProtKB/Swiss-Prot Function]