

Product datasheet for **MR210831**

Ift88 (NM_009376) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ift88 (NM_009376) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide
Sequence:**

>MR210831 representing NM_009376
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGAAAATGTTTCATCTGGCACCAGAAACAGATGAGGACGACCTTTACTCTGGTTTCAACGACTACA
 ACCCAGCCTATGATACTGAGGAGTTGGAGAATGACACGGTTTTTCAGCAAGCAGTGAGAACCAGTATGG
 CAGAAGACCTCCCGTAAGTCTAAAATACCAAGCACAGCAGTCAGCAGACCCATAGCTACTGGATATGGG
 TCCAAGACATCCCTGACATCATCAATGGGAAGACCGATGACAGGGACAATTCAGGATGGAGTTGCTCGAC
 CGATGACAGCAGTGAGAGCAGCTGGCTTTTCCAAGGCAGCTTTCGAGGGCTCTGCATTTGACCCCTTGG
 TCAGTCCAGGGGCCCTGCTCCTCTTTGGAAGCCAAAAATGAAGACAGTCCAGAAGAAAAAATTAGACAG
 TTGGAGAAGAAAGTAAATGAGTTGGTGGAAAGAGCTGTATTGCCAACAGTTGTGGAGACTTAAACTGG
 CCTTAGAGAAGGCAAAAGATGCAGGAAGAAAAGAGAGAGTCTGGTGAGACAACGAGAGCAAGTCACAAG
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 GAAATGTATGCAGAAGCACTGAACACATACCAAGTTATAGTGAAAAACAAGATGTTTAGCAATGCAGGAA
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 CCCCATACTAACTTGCTGATTGAAGCTATAAAAAATGACCACCTTAGGCAATGGAACGTGAAAGGAAAG
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 GTTAGGAGATGACTTGCTCCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210831 representing NM_009376
Red=Cloning site Green=Tags(s)

MMENVHLAPETDEDDL YSGFNDYNPAYDTEELENDTGFQQAVRTSHGRRPPVTAKIPSTAVSRPIATGYG
SKTSLTSSMGRPMTGTIQDGVARPM TAVRAAGF SKAALRGSADFPLGQSRGPAPPLEAKNEDSPEEKIRQ
LEKKVNELVEESCIANSCGDLK LALEKAKDAGRKERV LVRQREQVTSPENINLDL TYSVLFNLASQYSAN
EMYAEALNTYQVI VKNKMF SNAGRLKVNMGNIY LKQRNYSKAIKFYRMALDQIPSVHKEMRIKIMQNI GI
TFIKTGQYSDAINSFEHIMSMAPSLKAGFNLILSCFAIGDREKMKKAFQKLI AVPLEIDEDDKYISPSDD
PHTNLLIEAIKNDHLRQMERERKAMA EKYIMTAAKLIAPVIEASFVAGYNWCVEVVKASQYVELANDLEI
NKAITYLRQKDFNQAVDTLKMFEKKDSRVKSA AATNLSFLYYLENEFAQASSYADLAVNSDRYNPSALT N
KGNTV FANGDYEKAAEFYKEALRNDSSCTEALYNI GLTYKLNRLDEALDSFLKLHAILRNSAQVLCQIA
NIYELMEDPNQAI EWLMQLISVVPTDSQALSKL GELYDSEGDKSQAFQY YYESYRYFPSNIEVIEWL GAY
YIDTQFCEKAIQYFERASLIQPTQVKWQLMV ASCFRRSGNYQKALD TYKEIHRKFPENVECLRFLVRLCT
DIGLKEVQEYATKLRLEKMKEMREQR IKSGRDSSGGSR SKREGSAGSDSGQNN SASSKSERLSAKLRAL
PGTDEPYESSGNKEIDASYVDPLGPQIERPKTA AKKRIDEDDFADEELGDDLLPE

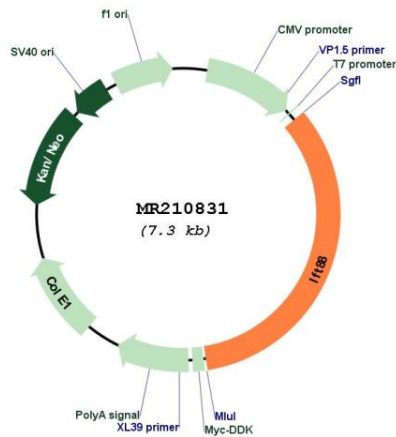
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9039_g05.zip

Restriction Sites: Sgfl-MluI

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:	<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_009376.2, NP_033402.2</u>
RefSeq Size:	3097 bp
RefSeq ORF:	2478 bp
Locus ID:	21821
UniProt ID:	<u>Q61371</u>
Cytogenetics:	14 30.1 cM
MW:	93.6 kDa
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]

Product images:



Circular map for MR210831