

Product datasheet for **MC218386**

Ift74 (BC049156) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ift74 (BC049156) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ift74
Synonyms: 1700029H06Rik; b2b796Clo; Ccdc2; Cmg1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC049156
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCAGTAATCACAATCTTCAGCCCTCGCCCTATTTCTCGGGTGGAAATAGGACTAACAGGAAGGC
CTCCTTCTGGAATAAGACCTCCATCTGGCAATGTTTCGAGTGGCAACTGCAATGCCACCAACAACAGCAAG
ACCAGTTCTCGTGGTGGTCCCTTAGGGACTGGTGGAGTTTTGTCATCTCAAATCAAAGTTGCTGATCGT
CCTGTGACCCAACAAGGTTTGAAGTGAATGAAGACTGGCATGAAAGGTCCCAGAGGCAAATTTAGACA
AATCTTACTATCTTGGACTTCTTAGGAGCAAAATAAGTGAACCTACAACCTGAAATTAATAAGCTTCAGAA
AGAAATAGAAATGTACAACCAAGAAAATTCAGTGTATTTGTCATATGAAAAGAGGGCAGAGACATTAGCT
GTTGAAATTAAGACTTTCAAGGACAAC TAGCAGACTACAACATGTTGGTAGATAAACTTAATACCAATA
CTGAAATGGAAGAAGTAATGAGTGATTACAACATGCTTAAAGCTCAAAATGACAGAGAAACACAAAGTAT
GGATGTCATATTTACTGAAAGACAAGCGAAGGAAAAACAATCAGAAAGTGTAGAAGAAGAAGTTGAACAA
GAAAAGCAAGCAGCAGATGGCATTATCAAAAATATGTCCTGAAAAACAAGTCAAGTACATAGAAATGA
AAACCACAAATGAGAACTGTTGCAGAAATTAGATACACTTCAGCAACAGCTAGATTCTCTGAACATGAA
AAAGGAGAGCCTAGAACTGAAATAGCACACTCCAAGTAAAACAAGAGGCTGTATTGCTGTATGAAAAA
CTTTATGAGTTAGAGTCCATCGAGATCAAATGATTGCAGAAGACAAAAGCATGGGATCGCCAATGGAGG
AAAGGGAGAGATTGTTTAAAGCAGGTTAAAGAAGATAATCAGGAAATAGCCAGCATGGAGAGACAGTTAAC
AGATATAAAAGAAAAATAA

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC049156



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Insert Size:	1607 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).
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>BC049156</u>
RefSeq Size:	1659 bp
RefSeq ORF:	998 bp
Locus ID:	67694
Cytogenetics:	4 C5
Gene Summary:	Component of the intraflagellar transport (IFT) complex B: together with IFT81, forms a tubulin-binding module that specifically mediates transport of tubulin within the cilium. Binds beta-tubulin via its basic region. Required for ciliogenesis (By similarity).[UniProtKB/Swiss-Prot Function]