

Product datasheet for **MR204909**

Ift74 (BC049156) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ift74 (BC049156) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ift74
Synonyms: 1700029H06Rik; b2b796Clo; Ccdc2; Cmg1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR204909 representing BC049156
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCAGTAATCACAAATCTTCAGCCCCTCGCCCTATTTCTCGGGTGGAAATAGGACTAACAGGAAGGC
CTCCTTCTGGAATAAGACCTCCATCTGGCAATGTTGAGTGGCAACTGCAATGCCACCAACAACAGCAAG
ACCAGTTCTCGTGGTGGTCCCTTAGGGACTGGTGGGATTTTGTATCTCAAATCAAAGTTGCTGATCGT
CCTGTGACCCAACAAGGTTTGTGAGTGAATGAAGACTGGCATGAAAGGTCCCAGAGGCAAAATTTAGACA
AATCTTACTATCTTGACTTCTTAGGAGCAAAATAAGTGAACCTACAACCTGAAATTAATAAGCTTCAGAA
AGAAATAGAAATGTACAACCAAGAAAATTCAGTGTATTTGTATGAAAAGAGGGCAGAGACATTAGCT
GTTGAAATTAAGACTTTCAAGGACAACCTAGCAGACTACAACATGTTGGTAGATAAACTTAATACCAATA
CTGAAATGGAAGAAGTAATGAGTGAATACAACATGCTTAAAGCTCAAAATGACAGAGAAACACAAAGTAT
GGATGTATATTTACTGAAAGACAAGCGAAGGAAAAACAATCAGAAAGTGTAGAAGAAGAAGTTGAACAA
GAAAAGCAAGCAGCAGATGGCATTATCAAAAATATGTCTCCTGAAAAACAAGTCAAGTACATAGAAATGA
AAACCACAAATGAGAACTGTTGCAGGAATTAGATACACTTCAGCAACAGCTAGATTCTCTGAACATGAA
AAAGGAGAGCCTAGAACTGAAATAGCACACTCCAAGTAAAACAAGAGGCTGTATTGCTGTATGAAAAA
CTTTATGAGTTAGAGTCCATCGAGATCAAATGATTGCAGAAGACAAAAGCATGGGATCGCCAATGGAGG
AAAGGGAGAGATTGTTTAAGCAGGTTAAAGAAGATAATCAGGAAATAGCCAGCATGGAGAGACAGTTAAC
AGATATAAAAGAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204909 representing BC049156
Red=Cloning site Green=Tags(s)

MASNHKSSAPRPISRGGIGLTGRPPSGIRPPSGNVRVATAMPPTTARPGSRGGPLGTGGVLSSQIKVADR
 PVTQQGLSGMKTGMKGPQRQILDKSYLGLLRKISELTTEINKLQKEIEMYNQENSVYLSYEKRAETLA
 VEIKDFQGLADYNMLVDKLNNTMEMEEMVMSDYNMLKAQNDRETQSMDFIFTERQAKEKQIRSVVEEVEQ
 EKQAADGIKNSPEKQVKYIEMKTTNEKLLQELDTLQQQLDSLNMKESLETEIAHSQVQAEVLLYEK
 LYELESHRDQMI AEDKSMGSPMEERERL FKQVKEDNQEI ASMERQLTDIKEK

TRTRPLEQKLISEEDLANDILDYKDDDDKV

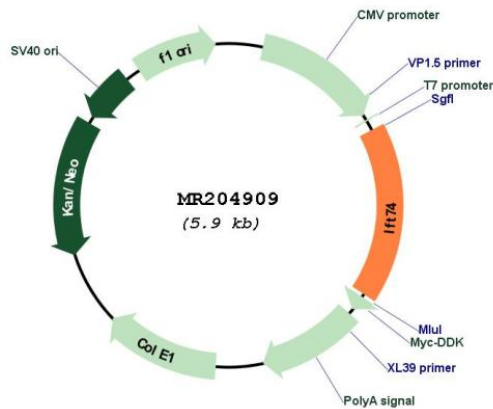
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC049156

ORF Size: 996 bp

OTI Disclaimer:	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
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:	BC049156
RefSeq Size:	1659 bp
RefSeq ORF:	998 bp
Locus ID:	67694
Cytogenetics:	4 C5
MW:	60.8 kDa
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]