

Product datasheet for **MC227440**

Ift74 (NM_001290568) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ift74 (NM_001290568) 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: >MC227440 representing NM_001290568
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCAGTAATCACAAATCTTCAGCCCTCGCCCTATTTCTCGGGTGGGAATAGGACTAACAGGAAGGC
 CTCCTTCTGGAATAAGACCTCCATCTGGCAATGTTGAGTGGCAACTGCAATGCCACCAACAACAGCAAG
 ACCAGTTCTCGTGGTGGTCCCTTAGGGACTGGTGGAGTTTTGTCATCTCAAATCAAAGTTGCTGATCGT
 CCTGTGACCCAACAAGGTTTGAAGTGAATGAAGACTGGCATGAAAGGTCCCAGAGGCAAAATTTAGACA
 AATCTTACTATCTTGGACTTCTTAGGAGCAAAATAAGTGAACCTACAACCTGAAATTAATAAGCTTCAGAA
 AGAAATAGAAATGTACAACCAAGAAAATTCAGTGTATTTGTCATATGAAAAGAGGGCAGAGACATTAGCT
 GTTGAAATTAAGACTTTCAAGGACAACCTAGCAGACTACAACATGTTGGTAGATAAACTTAATACCAATA
 CTGAAATGGAAGAAGTAATGAGTGAATACAACATGCTTAAAGCTCAAAATGACAGAGAAACACAAAGTAT
 GGATGTCATATTTACTGAAAGACAAGCGAAGGAAAAACAATCAGAAAGTGTAGAAGAAGAAGTTGAACAA
 GAAAAGCAAGCAGCAGATGGCATTATCAAAAATATGTCCTGAAAAACAAGTCAAGTACATAGAAATGA
 AAACCACAAATGAGAACTGTTGCAGGAATTAGATACACTTCAGCAACAGCTAGATTCTCTGAACATGAA
 AAAGGAGAGCCTAGAACTGAAATAGCACACTCCAAGTAAAACAAGAGGCTGTATTGCTGTATGAAAAA
 CTTTATGAGTTAGAGTCCATCGAGATCAATGATTGCAGAAGACAAAAGCATGGGATCGCCAATGGAGG
 AAAGGGAGAGATTGCTTAAGCAGGTTAAAGAAGATAATCAGGAAATAGCCAGCATGGAGAGACAGTTAAC
 AGATATAAAAGAAAAAATAAACCAATTTAGTGAAGAAATAGACAACCTTGACATGGATTTAGAGGAGCAC
 CAAGCATGGGCCACATTGTTGCTGGCCTGGCAGCACACACCTTGAAATCCCCTCACTGAAGACAGAAGCA
 GGAGTGTACCGGTGAATTTAGCACCACCCCTTCGGATTATATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001290568
Insert Size:	1167 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).
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_001290568.1</u> , <u>NP_001277497.1</u>
RefSeq Size:	1713 bp
RefSeq ORF:	1167 bp
Locus ID:	67694
UniProt ID:	<u>Q8BKE9</u>
Cytogenetics:	4 C5
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks several exons in the 3' region and contains an alternate 3' terminal exon, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>