

Product datasheet for MC224902

Ift172 (NM_026298) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ift172 (NM_026298) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ift172
Synonyms: 4930553F24Rik; avc1; Slb; wim
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC224902 representing NM_026298
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAAGTTGAAGCACCTGAGGACCCTGCTGAGCCCTCAGGATGGAGCTGCGAAGGTGACATGCATGGCCT
 GGTCCCAGAACAATGCTAAATTTGCTGTCTGCACAGTGGACCGAGTGGTACTTCTGTATGATGAACATGG
 GGAGCGGAGAGACAAGTTCTCCACCAAACCAGCTGACATGAAGTACGGCAGGAAAAGCTACATGGTGAAA
 GGCATGGCTTTCTCTCCGATTCCAAAAATTGCCATAGGACAGACTGACAACATCATCTATGTCTACA
 AGATTGGAGAAGATTGGGGAGACAAGAAGTTCATCTGCAACAAGTTCATCCAGACGAGTGTGTGACTTG
 TCTGCAGTGGCCTGCGGAATACGTCATTGTCTTTGGACTGGCAGAAGGCAAGGTTTCGCTTAGCAAACACT
 AAAACTAACAAGTCATCTACTATCTATGGGACAGAGTCTTACGTGGTAGCACTGACAACCAACTGCCTG
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 AGAGTCACAGGAAAAGTTGGTTAACCATCCATGCCACCCTATGCCTTGGCCTGGGCCACCAACAGCATT
 GTGGCCGCTGGCTGTGACCGGAGGATTGTGGCCTATGAAAGGAAGGCCATGTGCTGCAGACTTTTGACT
 ATAGCCGAGACCCTCAGGAGCGGGAGTTCACCACAGCTGCTGCAAGTCTGGAGGCCAGTCTGTTGTGCT
 GGAAGTTATGACAGACTTCGGGTGTTCAACTGGAGTCTCGAAGAAGCATCTGGGAAGAGGCCAAAACCC
 AAGGAGATCGCTAACTTATACACCGTCACCGCCCTGGCCTGGAAGCGGGATGGCTCAGACTCTGTGCGG
 GAACACTCTGTGGTGGGGTGAACAGTTTGACTGCTGCCTCCGAAGGAGCATTTACAAGAACAAGTTTGA
 GCTGACGTATGTGGGCCCTAGCCAGGTGATTGTGAAGAACCCTGTCTTCAGGGACCAAGGTTGGTGTCAAG
 TCACACTATGGCTATGAAGTAGAAGAGGTGAAAATCCTGGGAAAGGAACGTTACTTGGTGGCTCACACAT
 CAGACACACTGCTGCTGGGAGACCTGAACACGAACCGCCTCAGCGAGATAGCCTGGCAGGGATCTGGGGG
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 GAATATGGGAGTAACGACTCCTTGGGTTCTGTGCGCACCGAATTCATGAACCCTCACCTCATCAGCGTCC
 GTATCAATGAGCGCTGCCAGCGAGGAATGGAAGATAATAAGAAAATGGCTTATCTTGTGATTAAGAC
 AATTGCTATAGTGATCTGATTGGTGGCTACAACATTGGTACTATCAGTCACGAAAGCCGGTGGATTGG



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CTAGAACTTAACGAGACTGGACACAAGCTTCTCTTTAGAGACCGAAACTTCGGCTGCATCTATATGATA
TTGAAAGCTGCTCTAAGACAATGATCCTCAACTTCTGCTCCTACGTGCAGTGGGTCCGGGGAGTGATGT
GCTGGTAGCTCAGAACCGAAACAGCTTATGTGTATGGTACAATATTGAGGCCCTGAGAGAGTCACCATG
TCCTCTATCAGGGGTGATGTTGTGCGTCTGGAGCGAGGTGGTGGGAAGACAGAGGTCATGGTGACAGAAG
CGGTGACTACTGTGGCCTACACCCTGGACGAGGGCCTGATTGAGTTTGAACAGCCATCGATGATGGCAA
CTACACCCGGGCTACAGCCTTCTTGAGACCCTGGAGATGACTCCCGAAACAGAGGCAATGTGAAAAACC
TTGAGCAAACCTGGCCCTGGAGGCAAGGCAGCTTACACTGCTGAGAGGTGCTTCTCTGTTTAGGTCATG
TGGCCAAAGCTCGGTTCCCTGCATGAGACCAATGAGATTGCAGATCAGGTGCCAGGGAATATGGTGGAGA
AGGAACGGACTTCTATCAGGTCGAGCTCGTCTCGCCATGCTGGAGAAGAACTACAAACTTCTGAGATG
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TGGTACAGCAAAAGCAGCTGGATGCGGCCATCAACCACTATATTGAAGCCAGGTGCTCCATCAAAGCAAT
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GCATCTAAATACTATCCTCGTGTGGCTCAACACTATGCGTCTCTGCAGGAGTATGAGATTGCTGAGGAGC
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CCACAAGCTGGCCATGAAATGCATGCGACCCGAGGACGTGTCCTGCTTTACATCACACAAGCCCAGGAG
ATGGAGAAGCAGGGCAAGTACCGAGAGGCTGAGAGGCTGACGTGACGGTGGAGGAGCCTGATCTCGCCA
TCAACATGTTCAAAAAGCACAAGTTGTATGACGACATGATTCCCTGGTGGGGAAGCACCATCCAGCACT
CCTCAGCGACACACACCTTCACTTGGGCAAGGAGCTGGAGGCAGAAAGGCCGACTGCAGGAGCTGAGTAT
CACTACCTTGGAGCCAGGAATGGAAGGCAACTGTGAACATGTACCGCTCCAGCGGGCTTTGGGAGGAGG
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GCTGACAACTGCTCCTTTGAGTTTGCCTTTGAACTCTCTCGGCTAGCCTTCAAGCACAAAGCCCCAGAGA
TTCATCTCAAATACGCCATGTACCTGGAAGATGAGGGCAATTTGAAGAGGCTGAAGCTGAATTCATCCG
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CAGGAAGAGTATGAGCGAGAAGCTACCAAGAAGGGAGGCAGAGGGGTGGAGGGACTTGTAGAGCAAGCAC
GGCAGTGGGAACAGGCTGGAGAGTATAGCCGTGCAGTGGACTGCTACCTCAAAGTTCGCGACTCAGGAAG
CAGTGGCTGATGGAGAAGTGTGGATGAAGGCGGCTGAACTGTCCATCAAGTTCCTGCCTCCCCAGCGC
AGTCTGGAAGTCGTCGGGTTGTAGGGCCCCAGCTGATCGGGATTGGAAGCACAGTGTGCTGCAGAAC
TCTATCTGAACCTGGACCTTGTCAAAGAAGCAATCGATGCTTTCATTGAGGGGAAGAGTGAACAAGGC
CAAGCGCTGGCCAAAGAGCTAGATCCCCGGTATGAGGACTATGTGGATCAGCACTATAAGGATTCCTC
AAGAACCAGGGCAAAGTGGATTTCCTGGTGGGTGTGGACGTAGTAGCTGCCTTGGACCTGTATGTGGAGC
AGGGCCAGTGGGATAAATGCATTGAAACAGCTACCAAGCAGAAGTACAAGATTCTGCACAAGTATGTGGC
TTTGTATGCAACTCATCTGATCCGAGAAGTGGCTATGCCAGGCACTGGCCCTCTATGTGCAACACGGA
GCCCTGCAAACCCACAGAATTTCAACATCTACAAAAGGATCTTCACTGACATGGTTAGCTCTCCTGGGA
CCAACAATGCTGAGGCCTACCATAGCTGGGCTGATCTTCGGGATGTCCTTCAACCTGTGTGAAAACCT
GGTGAAGTCCAGTGAAGCAAACCTCTGCAGCGCATGAGGAGTTTGGATGATGCTGCTGATCTCTCATTAC
TACGCTACGCGATCTGCAGCCCAGAGTATCAAACAGCTGGAACCGTAGTGCAGGCTTTCTGTTTCGC
TCTTGCGCCACACCCAGTACTCCCTGCAGACAAGGCCTTTTATGAAGCGGGCACTGCTGCCAAGGAAGT
TGGCTGGGAGAACATGGCTTTCATTTTCTCAATCGGTTCTTGGATCTGACTGATGCAATCGAAGAAGGG
ACCCTGGATGCCCTGGACCATTAGATTTTCAGGATACTGACATTCCTTTGAGGTGCCGCTCCCAGCCA
AGCAGCACGTCCCGGAGGCCAGAGAGAAGAGTCCGAGACTGGGTGCTCACAGTCTCGATGGACCAGAG
ACTGGAGCAGGTTCTGCCCGGGATGAGCGAGGTGCTATGAGGCTTCCCTAGTTGCCCGAGCACTGGA
GTTCCGGCACTGCCCTGCCTCATCACAGGTTACCCCATTTTGGAGAACAAAATTAATTTAAGCGGCCTG

GGAAGGCTGCTAACAAAGACAACCTGGAACAAGTTTCTTATGGCCATCAAGACCTCTCACAGCCCAGTGTC
CCAGGACGTGCTCAAGTTCATCAGCCAGTGGTGC GGTTGGTCTCCCTAGCACCAGCTTTTCCTTTCAGTGA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_026298
Insert Size:	5250 bp
OTI Disclaimer:	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.
	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
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_026298.5 , NP_080574.5
RefSeq Size:	5440 bp
RefSeq ORF:	5250 bp
Locus ID:	67661
UniProt ID:	Q6VH22
Cytogenetics:	5 B1
Gene Summary:	Required for the maintenance and formation of cilia. Plays an indirect role in hedgehog (Hh) signaling, cilia being required for all activity of the hedgehog pathway.[UniProtKB/Swiss-Prot Function]