

Product datasheet for **RR212051**

Ift74 (NM_001007001) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ift74 (NM_001007001) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ift74
Synonyms:	Ccdc2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212051 representing NM_001007001
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGTAATCACAAATCTGCAGCACCTCGCCCTATTTCTCGGGTGGAAATAGGACTAACAGGAAGGC
 CTCCTTCTGGAATAAGACCCCCATCTGGGACTGTTTCGAGTGGCCACTGCAATGCCACCAGCAACAGCAAG
 ACCAGGTTCCCGTGGTGGTCCCCTAGGGACTGGCGGAGTTTTGTTCATCTCAAATCAAAGTTGCTGATCGT
 CCTGTAACCCAGCAAGGTTTGGTGAATGAAGACTGGCATGAAAGGTCCCAGAGGCAAAATTTAGACA
 AATCTTACTATCTGGACTTCTTAGGAGCAAAATAAGTGAACCTACAACCTGAAATTAATAAACTTCAGAA
 AGAGATAGAAATGTACAACCAAGAAAATTCAGTATATTTGTCATATGAAAAGAGGGCAGAGACATTAGCT
 GTGGAAATTAAGACTTTCAAGGACAACAGCAGACTACAATATGTTGGTAGATAAACTTAATACCAATA
 CCGAAATGGAAGAAGTAATGAATGATTACAACATGCTTAAAGCTCAAAATGATCGAGAAACAAAAGTAT
 GGATGTCATATTTACCGAAAGACAAGCGAAAGAAAACAATCAGAAGTGTAGAAGAAGAAGTTGAACAA
 GAAAAGCAGGCAGCAGATGGCATTATCAAAAATATGTCCTCTGAAAACAAGTCAAGTACATAGAAATGA
 AAACCACGAATGAGAAACTATTGACGAATTAGATACACTTCAGCAACAACCTAGATTCACTGAACATTAA
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 CTTTATGAGTTAGAGTCCCATCGAGATCAAATGATTGCAGAAGACAAAAGCATGGGATCGCCAATGGAGG
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 AGATAAAAGGAAAAATAAATCAGTTTGTGAGAGATTAGACAACCTTGACATGGATTTAGAGGAACAC
 CAAGGTGAAATGAATCAAAAATACAAGGAGCTTAAAAAAGGGAAGAAAATATGGATGCTTTTATAGAGA
 CTTTTGAGGAAACGAAGAATCAGGAATAGAGCGGAAGGCACAGATAGAAAACAGCATCACACTCTT
 AGAGCATTGCAGTCGGAATATAAATCGTATGAAACAGATATCCTCCATCACCAACCAAGAGCTAAAGATG
 ATGCAGGATGACCTCAGTTTTAAATCAACTGAAATGCAGAAGTCACAGACAACAGCTAGGAATTTGACCT
 CAGACAGTCAGCGTCTACAGCTGGATCTCCAGAAAATGGAACCTTTGAAAAGTAAGATGACAGAAGAGCA
 ACAGTCTCTGAAAAACAATAAAGCAATGACTGCTGACCTGGAGACATACAGTGACCTGGCAGCTTTA
 AAATCATCAGCTGAAGAGAAGAAGAAGAAATTACATCAAGAAAGAACAGTATTGTCAACCCACAGAAATG
 CCTTTAAGAAAAAATGGAGAAGCTGACTACAGATTATGAGGCACTGAAAACACAACCTTCAAGACAATGA
 GACACATGCTCAGCTTACAACTTGGAGAGGAAGTGGCAGCATCTGGAGCAAAATAATTTTGTAAATGAAA
 GAGTTCATAGCAACCAAGAGTCAGGAGAGTGATTACCAGCCAGTGATTAATAATGTGATGAAGCAGATTG
 CAGAGTACAATAAAACCATCATGGATGCTCCATAGTGCCAGCAGAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212051 representing NM_001007001
 Red=Cloning site Green=Tags(s)

MASNHKSAAPRPISRGGIGLTGRPPSGIRPPSGTVRVATAMPATARPGSRGGPLTGGVLSQIKVADR
 PVTQQGLSGMKTGMKGPQRQILDKSYLGLLRKISELTTEINKLQKEIEMYNQENSVYLSYEKRAETLA
 VEIKDFQQLADYNMLVDKLNTEEMEEVMNDYNMLKAQNDRETQSMDFIFTERQAKEKQIRSVVEEVEQ
 EKQAADGIIKNMSPEKQVKYIEMKTTNEKLLQELDTLQQQLDSLNIKESLETEIAHSQVKQEAUVLLYEK
 LYELESHRDQMI AEDKSMGSPMEERERLLKQVKEDNQEIASMERQLTDIKEKINQFSEEIRQLDMDLEE
 QGEMNQYKELKKREENMDAFIETFEETKNQELERKAQIETSIIITLLEHCSRINRMKQISSITNQELKM
 MQDDL SFKSTEMQKSQTARNL TSDSQRLQLDLQKMLLESKMTTEEQQSLKNKIKQMTADLETYSDLAAL
 KSSAEKKKKLHQERTVLSHRNAFKKIMEKLT TDYEALKTQLQDNETHAQLTNLERKWHLEQNPFVVK
 EF IATKSQESDYQPVIKNVMKQIAEYNTIMDALHSASRS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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:	NM_001007001.1 , NP_001007002.1
RefSeq Size:	2133 bp
RefSeq ORF:	1803 bp
Locus ID:	313365
Cytogenetics:	5q33
MW:	69.2 kDa