

Product datasheet for **RR202624**

Ift88 (NM_001107266) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ift88 (NM_001107266) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ift88
Synonyms:	Ttc10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR202624 representing NM_001107266
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATGGAAAATGTTTCATCTGGCACCAGAAACAGATGAGGATGATCTTTACTCTGGTTTCAATGACTACA
ATCCAGCCTACGATACTGAGGAGTTGGAGAATGACACGGGTTTTTCAGCAAGCAGTGAGAACCAGTCATGG
CAGAAGACCTCCAGTAACTGCAAAGATACCAAGCACAGCTGTGACGAGACCCATAGCTACTGGATATGGG
TCCAAGACATCCCTGACATCATCAATGGGAAGGCCGATGACAGGGACTATTCAGGATGGAGTTGCTCGAC
CGATGACGGCGGTGAGAGCAGCTGGCTTTTCCAAGGCAGCTTTCGAGGGCTCTGCATTTGACCCCTTGG
TCAGTCTAGGGGCCCTGCTCCTCTTTGGAAGCCAAAAATGAAGACAGTCCAGAAGAAAAGATTAGACAG
TTAGAGAAGAAAAGTAAATGAGTTGGTGGAAAGAGCTGTATTGCCAACAGTTGTGGAGACTTAAACTGG
CCTTAGAGAAGGCAAAAGATGCAGGAAGAAAAGAGAGAGTCTGGTGAGACAACGAGAGCAAGTCACAAG
TCCAGAAAATATCAACTGGACCTAACCTACTCCGTTCTTTTCACTTGGCAAGTCAGTATTCTGCTAAT
GAAATGTATGCAGAAGCACTAAACACATACCAAGTTATAGTGAAAAATAAGATGTTTAGCAATGCAGGAA
GACTGAAAGTGAATATGGGAAATATTTATTTAAAGCAGAGGAATTATCCAAAGCTATTAATTTCTACCG
AATGGCCTTAGATCAGATCCCAAGTGTCCATAAAGAAATGAGGATTAAAAAATGCAGAACATCGGGATC
ACGTTTATAAAGACCGGTGAGTACTCAGACGCCATCAACTCATTTCGAGCACATCATGAGCATGGCCCAA
GCCTGAAGGCAGGCTTCAACCTCATTCTCAGCTGCTTCGCCATTGGAGATCGAGAGAAAAATGAAGAAGGC
ATTCAAAAGTTAATTGCTGTTCCGTTGGAAATGACGAAGACGATAAATATATCTCCCCAGTGATGAT
CCCCATACTAATTATTGATTGAAGCTATAAAAAATGACCATCTTAGGCAATGGAACGTGAAAGGAAAG
CCATGGCAGAAAAATACATCATGACAGCTGCAAAACTCATTGCTCCTGTGATCGAAGCCTCCTTTGCTGT
GGTTTATAACTGGTGTGTGGAAGTAGTGAAGCCCTCTCAGTACGTGGAGCTGGCCAACGACCTGGAGATT
AACAAAGCAATCACCTACTTGAGACAGAAGGACTTCAACCAGGCTGTAGACACATTGAAAATGTTTGAGA
AGAAGGACAGTAGAGTGAAGAGTGCAGCTGCGACCAACCTCTCATTCTGTATTATCTGGAGAACGAATT
TGCCCAAGCCAGCAGCTATGCAGATTTAGCTGTGAGCTCAGACAGATAACAACCCATCAGCTCTACTAAC
AAGGGGAACACAGTGTGGCAAATGGTACTACGAGAAGGCAGCTGAGTTCTATAAAGAGGCCCTAAGAA
ACGATTCTTCTGTACTGAAGCACTTTATAACATTGGCCTCACCTACAAGAAGCTCAACCGCCTGGACGA
AGCGTTGGACTCCTTCTGAAACTGCATGCAATCCTTCGGAACAGCGCTCAAGTTCTGTGCCAGATAGCA
AATGTATACGAGTTAATGGAAGATCCCAATCAGGCTATTGAGTGGCTGATGCAGTTGATCAGCGTGGTTC
CAACTGATTCCTAAGCGCTGTCTAAACTGGGAGAGTTGTACGATAGTGAGGGAGACAAGTCCCAGGCGTT
CCAATATTAATGAGTCATATAGGTATTTCCCTTCTAACATTGAAGTCATCGAATGGCTTGGAGCTTAT
TACATTGATACCCAGTTCTGCGAGAAAGCCATTGACTTTTGAAGAGCTTCCCTTATACAACCCACAC
AAGTGAATGGCAGCTGATGGTAGCTAGCTGTTTTAGAAGAAGTGGTAACTACCAAAAGGCATTAGATAC
TTACAAAGAGATTCACAGGAAATTTCCAGAGAATGTTGAATGTTTGCCTTCTTGGTTCTGCTCTGCACA
GATATTGGATTAAGAAGTTCAGAATATGCCACAAACTCAAGAGGTTGGAAAAATGAAAGAAATGC
GGGAACAGCGCATAAAAATCAGGCAGAGACAGCGCGGGGCTCTCGCAGCAAACGAGAGGGGAGCGCTGG
CAGTGATAGTGGCCAGAACAGTAGTGCCAGTAGTAAAAGTGAACGACTGAGTGCCAAGCTCAGAGCTTTG
CCTGGGACAGACGAACCTTATGAAAGTAGCGGGAACAAAGAAATAGGCAATGCCTCCTATGTGGATCCA
CTGGGCCCTCAGATAGAAAGACCAAAACTGCAGCCAGAAGAGAATCGACGAGGACGATTTTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202624 representing NM_001107266
 Red=Cloning site Green=Tags(s)

```

MMENVHLAPETDEDDL YSGFNDYNPAYDTEELENDTGFQQAVRTSHGRPPVTAKIPSTAVSRPIATGYG
SKTSLTSSMGRPMTGTIQDGVARPMATAVRAAGF SKAALRGSADFPLGQSRGPAPPLEAKNEDSPEEKIRQ
LEKKVNLVEESCIANSCGDLKLALEKAKDAGRKERVLRQREQVTS PENINLDLTYSVLFNLASQYSAN
EMYAEALNTYQVI VKNKMF SNAGRLKVNMGNIY LKQRNYSKAIKFYRMALDQIPSVHKEMRIKIMQNI GI
TFIKTGQYSDAINSFEHIMSMAPSLKAGFNLILSCFAIGDREKMKAFQKLI AVPLEIDEDDKYI SPSSD
PHTNLLIEAIKNDHLRQMERERKAMA EKYIMTAAKLIAPVIEASFVGYNWCVEVVKASQYVELANDLEI
NKAITYLRQKDFNQAVDTLKMFEKKDSRVKSAATNLSFLYLENEFAQASSYADLAVSSDRYNPSALTN
KGNTV FANGDYEKAAEFYKEALRNDSSCTEALYNI GLTYKKNLRLDEALDSFLKLHAILRNSAQVLCQIA
NVYELMEDPNQAI EWMLQLISV VPTDSQALSKL GELYDSEGDKSQAFQY YYESYRYFPSNIEVIEWL GAY
YIDTQFCEKAIQYFERASLIQPTQVKWQLMVASCFRRSGNYQKALD TYKEIHRKFPENVECLRFLVRLCT
DIGLKEVQEYATKLRLEKMKEMREQR IKSGRDSSGGSRSKREGSAGSDSGQNSSASSKSERLSAKLRAL
PGTDEPYESSGNKEIGKCLLCGSTGPSDRKTKNCSQKENRRGRFC
  
```

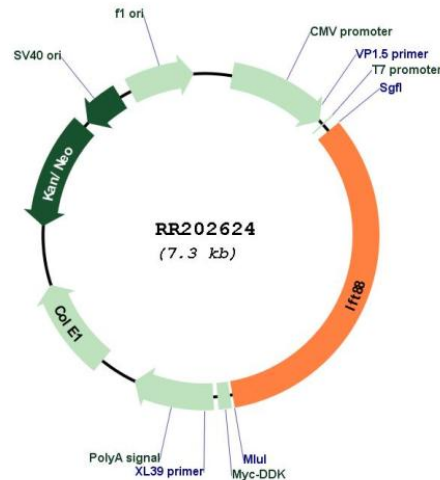
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107266

ORF Size: 2445 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:

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_001107266.1](#), [NP_001100736.1](#)

RefSeq Size: 3068 bp

RefSeq ORF: 2448 bp

Locus ID: 305918

Cytogenetics: 15p12

MW: 91.9 kDa