

Product datasheet for **RN204167**

Ift81 (NM_199120) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ift81 (NM_199120) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ift81
Synonyms:	Cdv-1; Cdv1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204167 representing NM_199120
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTGACCAAAATCAAATTCATCGTGGACAGCCTCAATAAGGAGCCTTTTAAGAAGAACTATAATTTAA
 TCACATTTGATTCTTTGGACCAATGCAACTATTACAAGTTCTCAATGATGTCCTGGCTGAGATAGACCC
 CAAGCAAGACGTTGATATCAGAGAGGAGACGCCGGAGCAGACAGCCAAGCGCATGTTGAGCCTTCTTGGT
 ATCCTGAAGTACAAAACCTCCGGGAATGCCACAGACATGAGCACCTTCCGCCAGGGTTTGGTGATCGGGA
 GTAACCTGTCTATCTACCCGGTCTCCACTGGCTCCTCCAGCGGAGCAGTGAAGTAAAGAAAAGGGCGTA
 TTTAGCTCGTCTTAATAAAGCTGGAGGTGCCACGAGTTCCTCAAGATGAAACCGTGGCTGACACC
 AACAAACAGTATGAAGAGCTGATGGAAGCCTTCAAAGCCTGCATAAAGAGTGTGAGCAGCTCAAAACAT
 CTGGATTCTCCACAGCGGAGATAAGAAGGGATATCAGCGCAATGGAGGAGGAGAAAGACCAGCTCATGAA
 GAGAGTTGAACGGTTGAAGAAGAGGGTGGAGACTGTCCAGAACCATCAGCGAATGCTTAAATAGCAAGA
 CAGCTTCCGGTTGAGAAAAGAGAGAGAAGAGTTTCTTGCTCAACAGAAGCAGGAACAAAAGAAATCAGCTGT
 TTCATGCGGTGCAGAGATTGCAAAGAGTGCAAAACCAGCTGAAGAGTATGCGGCACGCGGACGAGCAGCGC
 CAAGCCTGAGAGTTAATGAAGAGGCTAGAGGAGGAGATAAAATTTAATTCATATATGGTCACTGAAAAA
 TTTCCAAAAGAAATTAGAAAGCAAGAAAAAGGAATTACACTTTTTACAAAAAGTGGTTTCTGAGCCAGCTA
 TGGGCCACTCTGACCTTCTTGAACCTGAGTCTAAAGTCAATGAAGTAAACGCAGAGATCAATCAGTTGAT
 TGAGAAAAAATGATGAGAAACGAGCCAATAGAAGGCAAGCTCTCACTGTACAGGCAACAGGCGTCCATC
 ATTTCTCGTAAGAAAGAGGCCAAAGCTGAGGAGCTGCAGGAGACCAAGGAGAAGCTGGCCAGCCTCGAGA
 GAGAGGTGTCTGTGAAGACAAACCAGACCCGGAATTTGACGGCACTGAGTTCTGAAGGGAGATGAGTT
 CAAGAGATACGTACGTAACCTTCGGAGCAAAAGCACAGTTTTTCAAAAAGAAGCACCAGATAATAGCTGAG
 TTTAAGGCTGAATTTGGCCTCTTGACAGAGGACAGAAAGAACTTCTGAAGCAACGTCAGGAAACCATTCAAC
 ATCAACTGCGAACCATTTGAAGAGAAGAAGGGCATCTCTGGTTACAGCTACACCCAAGAGGAGCTTGAGAG
 AGTGTCCGCCCTGAAGAGCGAGGTTGACGAGATGAAAGGCCGGACCCTGGACGACATGTCAGAGATGGTA
 AAAAAACTGAATTCCTTGGTATCAGAAAAGAAGTCAAGTCTTACCCCAAGTATAAAAAGAACTACGGCAAT
 TGCGTCAGAAATGTCAGTAACCCAGGAGTGTGATGAGAAGAGAACCAGTATGATAGCTGTGCGGCAGG
 CCTTGAAAGCAACCGTCCAATTAGAGCAGGAAGTACGAGGACTCCGTGAAGAATGTCTTCAAGAAGAA
 AGTAAATACCATTATACAAACTGCATGATTAAGAACCTAGAAGTTCAGCTTCGCCGAGCCACTGATGAGA
 TGAAGGCTACGTCTTCTGATCAACAAGAAAAGAGGAAAGCAATTAGGGAACAGTATACCAAAAATAT
 TACTGAGCAAGAAAACCTGGGCAAGAACTTCGGGAAAAACAAAAGGCTGTTTCGAGAAAAGTACCGTCCC
 AACATGAAGCAAGCGAAGATGTGGCGGGATCTTGAACACTGATGGAATGCAAAAACAGTGCTTTCTGA
 AGCAGCAGAGCCAGCCTCCATCGGCCAGGTAATTCAGGAGGGCGGAGAGGACCGGCTGGTTCTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_199120
- Insert Size:** 2028 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).
- 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_199120.1](#), [NP_954551.1](#)

RefSeq Size: 2666 bp

RefSeq ORF: 2028 bp

Locus ID: 373066

UniProt ID: [P83829](#)

Cytogenetics: 12q16

Gene Summary: mouse homolog is a downregulated gene in the hypertrophied ventricle of carnitine-deficient juvenile visceral steatosis mice [RGD, Feb 2006]