

Product datasheet for **RR212733**

Utp4 (NM_001009640) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Utp4 (NM_001009640) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Utp4
Synonyms:	Cirh1a; Cirhin; Naic; Teg-292; Tex292
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR212733 representing NM_001009640
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTGAATTTAAAGTCCATCGAGTTCGTTTCTTTAATTACGTTCCATCAGGCATCCGATGTGTGGCTT
ACAATAACCAGTCAAACAGATTGGCTGTTTCACGAACAGATGGCACGGTGGAAATTTATAATTTGTCTGC
AAACTATTTTCAGGAGAAATTTTCCAGGTCAAGTCTCGGGTACCGAAGCCCTGTGTTGGGCAGAA
GGACAGCGGCTCTTGTAGTCCGGACTGAATGGAGAAATCTTGAGTATGACCTACAGGCACTAAACATCA
AGTACACTTTGGATGCCTTTGGAGGACCGATTTGGAGTATGACCGCCAGCCCCAGTGGCTCTCAACTTTT
GGTTGGCTGTGAAGATGGCTCCGTGAAATTTTGAAGTACCCAGACAAAATCCAATTTGCAAGAAAT
TTCGATCGTCAAAAAGTCGGATCCTGAGTCTCAGCTGGCATCCTGCTGGTACCCACGTTGCAGCTGGT
CCATAGACTACATTAGTGTTCGATGTCAAATCAGGGAGCATAACCCGGAAGATGGTTTTAGACAGGCA
GCACCTGGGAGTGACCAAGTCAAGTGCATAGTGTGGGTGTTGCCTTCTGTCCGACGGCACTGTGATA
AGCGTGGACTCAGTTGGAAGGTGCAGTTATGGGACTCAGCTACTGGGACTTGTCAAGAGCCATCTCA
TCGCAAACGCTGACGTGCACTATTGCTGTTGCTGATCAAGAAGACAGTTTTGTGGTGGGCACAGCCGA
GGGCACAGTGTCCATTTCCAGCTGGTGTCCGTGACTTCCAACAGCAGCGAGAAGCAGTGGGTGCGGACG
AAACCATCCAGCACCACACACGACGTGCGCACTGTGGCCACAGCCCAACAGCCCTGATATCAGGAG
GCACCGACACCCACCTAGTTATTCGGCCTCTCATGGAGAAAGTGGAGGTAAGAAGTACGATGCCGCTCT
CCGAAAGATCACTTTCCCCATCGGCGTCTCATTTCTGTTCAAAGCGAAGGCAGTTCTCCTTTCCAG
TTTGCTCACCATTGGAAGTCTGGAGACTAGGATCCACAGCCGCAACAGGCAAGAATGGAGATACTCTTC
CGTCTCCCCGTGTGGAAGTTGGATAGCCTATTCTACAGCGTCTCGGTTTTTCTCTATCGATTGAAATAT
GAACGTGATAACATTAGCCTCCAAGAGTTTCCAATACCAGCATTCTTCGCTCTGCCCTTCATATTT
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GATGTCTTCTGAGGCGCACGCCATGGATTTAAATGTCTAAGATATAAAGCCCTTACTCTTTATGG
ATCTTTTGGATGAAAGGACACTTGTGGCAGTAGAACGACCTCTGGATGACATATTGCTCAGCTCCCACC
ACCCATCAAAAAGAAGAAATTTGGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212733 representing NM_001009640
 Red=Cloning site Green=Tags(s)

MGEFKVHRVRRFFNYVPSGIRCVAYNNQSNRLAVSRTDGTVEIYNLSANYFQEKFFPGHESRGTEALCWAE
 GQRLF SAGLNGEILEYDLQALNIKYTLDAFGGPIWSMTASPSGSQLLVGCEDGSVKLFEVTPDKIQFARN
 FDRQKSRILSLSWHPAGTHVAAGSIDYISVFDVKSGSITRKMVLDLDRQHLGVTKSRCIVWGVAFVLDGTVI
 SVDSVGVQLWDSATGTLVKSHLIANADVQSIADVADQEDSFVVGTAEGTVFHFQLVSVTSNSSEKQWVRT
 KPFQHHTHDVRTVAHSPTALISGGTDTHLVIRPLMEKVEKKNYDAALRKITFPHRRILISCKRRQLLL FQ
 FAHHELEWRLGSTAATGKNGDTLPLSKNADHLLHLKTKGPENIICSCVSPCGSWIAYSTASRFFLYRLKY
 ERDNISLQRVSKLPAFLRSALHILFSEDSTKLFVASNQGSLSLHVIHLSEGSFKHLHTFQPQSGTVEAMCLL
 AVSPDGNWLAASGTSAGVHIYDLHHLKLHCTVPAYNFPVTALAIAPNTNNLVIAHSDQQVFEFSIPDKQY
 TEWSRSVQKQGFHQLWLQRDTPITHISIHPRKPMHILLHDAYMFCIIDKSLPLPNDKTVLYNPLPKNES
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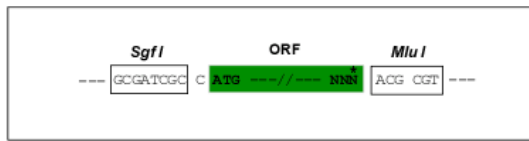
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

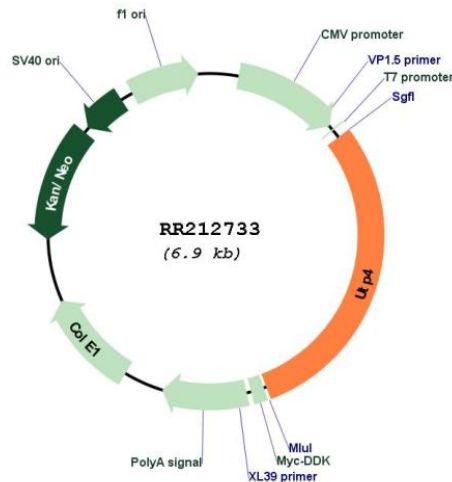
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001009640

ORF Size: 2058 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_001009640.1](#), [NP_001009640.1](#)

RefSeq Size: 2230 bp

RefSeq ORF: 2061 bp
Locus ID: 291987
Cytogenetics: 19q12
MW: 76.9 kDa