

Product datasheet for **MR208137**

Utp4 (NM_011574) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Utp4 (NM_011574) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Utp4
Synonyms:	Cirh1a; Cirhin; Naic; Teg-292; Tex292
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208137 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTTTAGATAGGCAACACCTGGGAGTGACTAAGTCCAGGTGCATAGTGTGGGTGTTGCCTTCTTGT
 CCGACGGCACTGTCATAAGTGTGGACTCTGTTGAAAGGTGCAGTTGTGGGACTCTGCTACTGGGCACT
 CGTTAAGAGTCATCTCGTCGAAATGCTGATGTGCACTATTGCTGTTGCTGATCAAGAAGACAGTTTT
 GTGGTGGGACCCGCCGAGGGCACGGTATCCATTTCCAGCTGGTGTCCATGACTTCCAACAGCAGTGAGA
 AGCAGTGGGTGCGGACGAAACCGTTCCAGCATCACACTCATGACGTGCGTGTGGCCACAGCCCAAC
 AGCCCTGATCTCAGGAGGCACCGACACCCACCTGGTTATTCGGCTCTCATGGAGAGAGTGGAGGTAAG
 AATTACGATGCTCTCCGAAAGATCACGTTCCCCCATCGGCGTCTATTTCTGTTCAAAAAGAAGGC
 AGCTTCTCCTTTCCAGTTCGCGCATCACTTGGAACTGTGGAGACTAGGATCCACATCTGCAACAGGCAA
 GAACGGAGATACTTCCACTCTCTAAAACGCAGATCATCTCCTGCACCTCAAGACAAAGGGCCCTGAG
 AACATTATCTGCAGCTGTGTCTCCCGTGTGGAAGCTGGATAGCCTATTCTACAGCGTCTCGCTTTTTTC
 TCTATCGATTGAAATATGAACCGGATAACATAAGCCTCCAAGAGTTTCCAAATTGCCATCATTCCTGCG
 CTCTGCCCTTCATATTCTGTTTTCTGAAGATCAACAAAGCTCCTTGTGGCATCCAATCAAGGGTCTCTG
 CATATTGTTTCATCTGTCCGAAGGAAGCTTCAAGCACTTGACACTTTCCAGCCGAGTCAGGTACAGTGG
 AGGCCATGTGTCTTTGGCAGTCAGTCCAGATGGGAAGTGGTGTAGCTGCATCGGGTACCAGTGTGGAGT
 CCACGTATATGATCTGCATCATCTAAAGCTTCACTGCACAGTGCCTGCTTACAACCTCCAGTGACCGCT
 CTGGCCATCGCCCCAATACCAACAACCTGGTCACTTGTCTATTCTGACCAGCAGGATTTGAATTCAGCA
 TCCAGAAAAGCAGTATACAGAGTGGAGCCGCTCTCCAGAAGCAAGGATTTACCAGCTGTGGCTCCA
 AAGGGATACTCCCATCACACACATCAGCTTTCATCCCAAGAGACCAATGCACATCCTCCTCATGATGCC
 TACATGTTCTGCATCATTGACAAGTCACTTCCAAATGAGAAAAGTGTGCTTTATATCCACTTC
 CTCCGAAAAATGAATCAGATGTCTTCTTGGAGCGGACAACCCATGGGTTTAAAATGTCAAAGATATATA
 GCCCTTGTCTTTATGGATCTTTGGATGAAAGGACACTTGTGGCAGTAGAGCGACCCCTGGACGACATC
 ATTGCTCAACTCCACCACCCATCAAAAAGAAGAAATTTGGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208137 protein sequence
 Red=Cloning site Green=Tags(s)

MVLDRQHLGVTKSRCIVWGVAFVLSVDSVGVKQVWDSATGTLVKSHLVANADVQSIIVADQEDSF
 VVGTAEGTVFHFQVSMVTSNSSEKQWVRTKPFQHHTHDVRAVAHSPTALISGGTDHLVIRPLMERVEVK
 NYDAALRKITFPHRRILISCSKRRQLLLFQFAHLELWRLGSTSATGKNGDTLPLSKNADHLLHLKTKGPE
 NIICSCVSPCGSWIAYSTASRFFLYRLKYERDNI SLQRVSKLPSFLRSALHILFSEDSTKLLVASNQGSL
 HIVHLSEGSFKHLHTFQPQSGTVEAMCLLAVSPDGNWLAASGTSAGVHVYDLHHLKLHCTVPAYNFPVTA
 LAIAPNTNVLVIAHSDQVFEFSIPEKQYTEWSRSLQKQGFHQLWLQRDTPITHISFHPKRPMHILLHDA
 YMFICIIDKSLPLPNEKTVLYNPLPKNESDVFLRRTTHGFKMSKIYKPLLFMDLLDERTLVAVERPLDDI
 IAQLPPPDKKKKFGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_011574

ORF Size: 1518 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_011574.1](#), [NP_035704.1](#)

RefSeq Size: 2255 bp

RefSeq ORF: 2061 bp

Locus ID: 21771

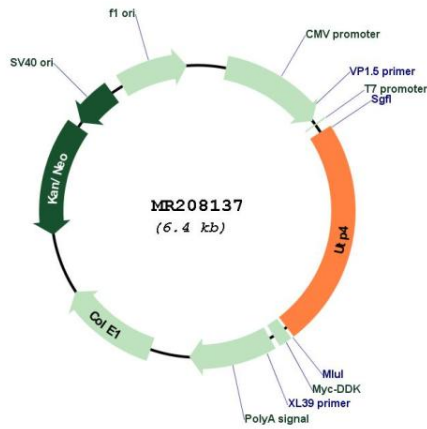
UniProt ID: [Q8R2N2](#)

Cytogenetics: 8 D3

MW: 56.8 kDa

Gene Summary: Ribosome biogenesis factor. Involved in nucleolar processing of pre-18S ribosomal RNA. Involved in small subunit (SSU) pre-rRNA processing at sites A', A0, 1 and 2b. Required for optimal pre-ribosomal RNA transcription by RNA polymerase. May be a transcriptional regulator. Acts as a positive regulator of HIVEP1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208137