

Product datasheet for **RN204591**

Cyp4f40 (NM_001109360) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Cyp4f40
Synonyms:	RGD1559596
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >RN204591 representing NM_001109360
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCGACATCTGGACCTATCCTGGCTGGGACTGGGGCCCATGTGAGCCTCTCCATGGCTGCTCTTCT
 TGGTTGGTGTTCCTGGTTCTTGACCCGCTGCCTCACCCAGATATACACTTTGTATGCAAAGTGCAACG
 TCTCTGTGGTTTCCTCAGCCACCAAGAGGAGTTGGTTTTGGGGTACCTAGGCATGTCCCTCTACAC
 GAAGAAGGCATGAAGCAGATGACTGAGCTGGTGCCACCTACCCAGGGCTTCATGACCTGGTTAGGCC
 CTATAGTTCCTCATCACTTTGTGCCACCCTGACATATCCGATCTGCTCAGTGCCTCAGCTGCGGT
 TGCTCCCAAGGATGGCATCTTCTACAGCTTCTGAAACCCTGGCTGGGGATGGGCTCTTGGTGAGTGCC
 AGTGACAAGTGAGCGCCACCGTAGCATGCTGACACCTGCCTTCACTTCAACATCCTGAAACCCTATG
 TGAAGATTTCAATGACAGCACCAACATCATGCATGCCAAGTGGCTGCGCTGGCTCAGGGGTAGCGC
 CCATCTGGACATGTTGAGAACATCAGCCTCATGACCTGGATACTTGCAGAAATGTGTCTTCAGCTTC
 AACAGCAACTGTGAGGAGAAGCCAGTGAGTACATTGCCGCCATCTAGAACTCAGTGCACTGGTCGTGA
 AAAGAAACGAACAGCTGCTTCTGCACATGGACCTGCTACCGCCTCACACCTGATGGAAGGCGCTTCTA
 CAAGGCCTGCCACCTGGTGATGACTTACCTATGCCGTATCCAGGAGCGACGTGCACTCTGCCAAG
 CATGGTGGTGATGATGTCATCAAGGCCAAAGCCAAGTCCAAGACTCTGGACTTCATTGATGTAAGTCTAC
 TGAGCAAGGATGAAGACGGAAGGAGCTGTGAGATGAGGACATCCGAGCGGAGGCTGACACCTTCATGTT
 TGAGGGCCACGACACCAGCCAGTGGGCTCTCCTGGATCCTGTACAACCTGGCGAAGCACCCAGAATAC
 CAGGAGCGCTGCCGGCAGGAGTGACGAACTCCTGAGGGATCGTGATTCTGAAGAGATTGAATGGGACG
 ACCTGGCCAGCTGCCCTTCTGACCATGTGCATCAAGGAGAGTCTGCGACTGCATCCCCAGTCACAAT
 GGTCTCCCGATGTGCACACAGGACATTTCTCTGCCAGACGGCGTGTCTTCTAAAGGTATCATCTGC
 ATCATCAATATTTTGAACCCATCACAACCACTGTGTGGCAGGACCCTGAGGTCTATGACCCCTTCC
 GTTTTGATCCAGAGAACATCCAGGCTAGATCGCCTCTGGCATTTATTCCTTCTCGGCAGGACCCAGGAA
 CTGCATAGGACAGACTTTCGTATGAACGAGATGAAGTGGCAGTGGCGCTGACGCTGCTGCGCTTCCGC
 GTCCTGCCCGATGACAAGGAGCCGCGCGGAAGCCGAGCTGATTCTGCGCGGAGGACGGGCTGTGGC
 TCGGGTGGAGCCTCTGAGCGCCCAAGCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001109360

Insert Size: 1572 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001109360.1</u> , <u>NP_001102830.1</u>
RefSeq Size:	1578 bp
RefSeq ORF:	1572 bp
Locus ID:	503122
Cytogenetics:	7q11