

Product datasheet for **RR201067**

Cyp46a1 (NM_001108723) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyp46a1 (NM_001108723) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cyp46a1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201067 representing NM_001108723
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCACCAAGTACAACAAGGACTCCAAGATGTACCGTGGATTACAGACTGTGTTCCGAGAGAGACTGT
TTGGCCAGGGCTTGGTGTCTGAATGTGACTATGGGCGCTGGTATAAGCAGAGAAGAGTCATGGACTTGGC
CTTCAGTCGCAGCTCCTTGGTTAGCCTGATGGGACGTTCAATGAGAAGGCAGAGCAGCTGATGAAATT
CTAGAAGCTAAGGCGGACGGACAGACACCGGTGTCCATGCAGGACATGCTGACCTGTGCCACCATCGACA
TCTCGGCCAAGGCAGCTTTTGGGATGGAGACCAGTATGCTACTGGGCGCCAGAAACCCCTGTCCCAGGC
AGTGAAGGTATGCTGGAGGGTATCAGTGCCTCCGTAACACCCTGGCGAAGTTCATGCCAGGGAAGAGA
AAGCAGCTTCGGGAGATCCGAGAGAGCATCCGCTGTTACGCCAGGTGGGAAGGATTGGGTGCAGCGCC
GCCGTGAGGCCCTGAAGAGGGGTGAGGACGTGCCGGCCGACATCCTCACGCAGATTCTCAAAGCTGAAGA
GGGAGCCCAGGACGACGAGGTTCTGCTCGACAACCTTTGTACCTTCTTCATTGCGGGTTCATGAGACTTCC
GCCAACCATCTGGCATTACAGTATGGAGTTGTCTCGACAGCCGGAGATCGTGGCAAGGCTGCAGGCCG
AGGTGGATGAGGTGGTTCGTTCCAAGCGGCACCTGGACTACGAGGATCTGGGAGACTGCAGTACCTGTC
ACAGGTCTCAAAGAGTCTCTGAGGCTGTACCCACCAGCATGGGGCACCTTTCGCCTGCTGGAAGAGGAG
ACCTTGATTGATGGGGTCAAGTCCCTGGCAACACTCCTCTCCTGTTTCAGCACCTATGTCATGGGGAGGA
TGGACACCTACTTTGAGGATCCACTGACTTTCAACCCTGACCGCTTCGGCCCTGGAGCGCCCAAGCCGAG
GTTTACCTACTTCCCCTTTCCCTGGGCCACCGGTCTGCATCGGGCAGCAGTTTGTCTCAGATGGAGGTG
AAAGTCGTTATGGCAAGCTGCTCAGAGGCTCGAATCCGGCTGGTACCTGGGCAGCGCTTTGGGCTGC
AAGAGCAGGCTACGCTCAAGCCACTGGACCCTGTGCTGTGCACCTGAGGCCCGGGGCTGGCAGCTGC
ACCCCCACCCCACTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201067 representing NM_001108723
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MSTKYNKDSKMYRAIQTVFGERLFGQGLVSECDYGRWYKQRRVMDLAFSRSSLVSLMGTFNEKAEQLMEI
 LEAKADGQTPVSMQDMLTCATIDILAKAAFOMETSMLLGAQKPLSQAVKVMLEGISASRNTLAKFMPGKR
 KQLREIRESIRLLRQVGKDWVQRRREALKRGEDVPADILTQILKAEEGAQDDEVLLDNFVTFEIAGHETS
 ANHLAFTVMELSRQPEIVARLQAEVDEVVGSKRHLDYEDLGRQLYLSQVLKESLRLYPYPAWGTFRLLLEE
 TLIDGVRVPGNTPLLFSTYVMGRMDTYFEDPLTFNPDRFGPGAPKPRFTYFPFLGHRSCIGQQFAQMEV
 KVVMAKLLQRLEFRLVPGQRFGLQEATLKLDPVLCRLRPRGWQPAPPPPPC

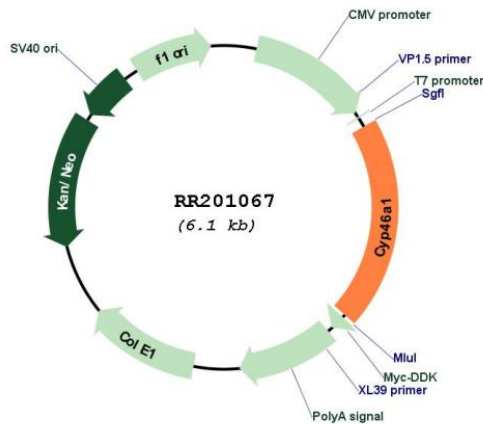
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108723

ORF Size:	1209 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:	<ol style="list-style-type: none">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_001108723.1 , NP_001102193.1
RefSeq Size:	2458 bp
RefSeq ORF:	1212 bp
Locus ID:	362782
Cytogenetics:	6q32
MW:	45.8 kDa