

Product datasheet for **RR202418**

Cyp20a1 (NM_199401) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp20a1 (NM_199401) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyp20a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202418 representing NM_199401 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGACTTCGCCATCTTCGCCGTGACGTTCTGCTGGCGCTGGTGGGAGCGGTGCTGTACCTCTACC
CGGCTTCCCGACAAGCTTCAGGAATCCAGGGCTTACTCCAAGTGAAGAAAAAGATGGTAATCTCCAGA
CATTGTGAACAGTGGGAGTTTGCATGAGTTCCTGGTTAATTTGCATGGAAGATACGGCCCTGGTCTCT
TTCTGGTTTGGCAGGCGTCTTGGTCACTTAGGCACCGCTGATGCACTGAAACAGCATTTC AACCCCA
ATAAGACTTTGGACCCATTTGAAACCATGTTGAAGTCACTATTAGGCTATCGGTCTGGTCTGGGAGTGG
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CTCCTGCTGAAGCTCTCAGAAGAATTATAGACAAATGGCTGTCTACCCAGAGACCCAGCACATACCTC
TGAGCCAGCATATGCTTGGTTTTGCTTTGAAGTTGTACACGGATGGTACTGGGTGACACATTTGAAGG
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GTGCTTGTGAGTGTGTTGCTGAAGAAGCTACATCTGCTTGTGCTGACAGACAAGTTTTTGAAGTGAAGT
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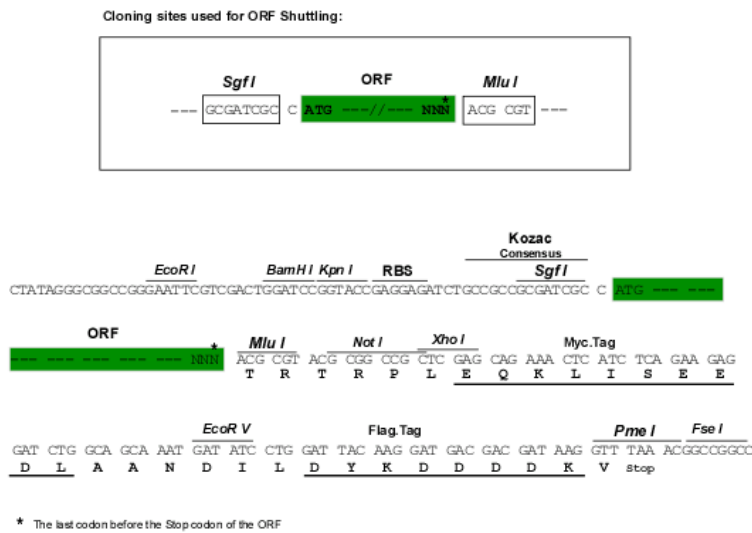
Protein Sequence: >RR202418 representing NM_199401
Red=Cloning site Green=Tags(s)

MLDFAIFAVTFLALVGAVLYLPASRQASGIPGLTPTEEKDGNLPDIVNSGSLHEFLVNLHGRYGPVVS
 FWFGRRLVYSLGTADALKQHFNPNTLDPFETMLKSLLYRSGAGSGSEDHVRRLYGDAVTAALQSNFP
 LLLKLSEELLDKWL SYPETQHIPLSQHMLGFALKFVTRMVLGDTFEQEVEVIRFQKIHGTVWSEIGKGF
 DGSLDKNTRKNQYQEALMQLEAILKKIKERKGGDFSQHTFIDSLVQRNLNEQQILEDVSVVFLAGCIV
 TARLCTWAIHFLTAAEEVQKHLHKEVDHVLGKGPITSEKIEQLRYCQQVLCETVRTAKLTPVSAQLQDIE
 GKVGPFIIIPKETLVLYALGVVLQDASTWSPHKFDPDRFADEPVMKVFSSLGFSGTWECPELRFAYVVT
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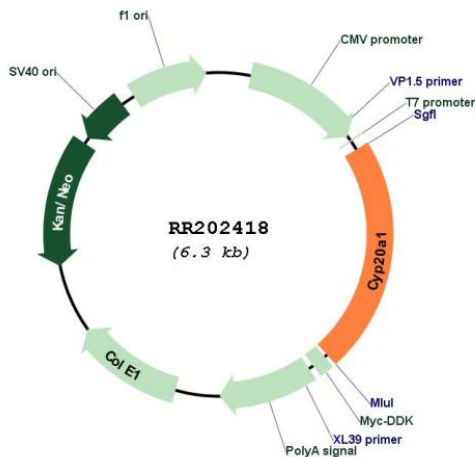
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_199401
ORF Size:	1386 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_199401.1 , NP_955433.1
RefSeq Size:	2029 bp
RefSeq ORF:	1389 bp
Locus ID:	316435
UniProt ID:	Q6P7D4
Cytogenetics:	9q32
MW:	52 kDa
Gene Summary:	may act as an electron transporter [RGD, Feb 2006]