

Product datasheet for **RR201016**

Cyp4f4 (NM_173123) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp4f4 (NM_173123) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyp4f4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR201016 representing NM_173123
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCCACAGTTGGACCTGTCTGGCTGGGACTGAGGCTGGAGACATCCTTACCATGGCTGCTTTTGTCTGC
 TGATCGGAGCTTCTGGCTCTTGGTCCGTGTCTTGAAGCTCAGACCTATATCTTCTACAGAACATATCAACA
 TCTTTGTGATTTCCCTCAACCACCCAAATGGAATTGGTTCTTGGGTACCTGGGCATGATCACTCCCACT
 GAGCAAGGTCTGAAGCAGGTAACTAAGCTCGTGGCCACCTACCCCGAGGCTTCATGACATGGCTGGGTC
 CTATCCTCCCTATCATCACTCTGTGCCACCCTGACGTCATTGATCTGTTCTCAGTGCCTCAGCTTCGGT
 TGCCCTAAAGGAAGTAATCTTCTACAGCTTTCTGAAACCCTGGTTGGGGATGGACTCCTGTTGAGCGAT
 GGTGACAAAGTGGAGCTGCCACCGCCGATGCTGACACCTGCCTTCCACTTCAACATCCTGAAACCCTATG
 TGAAGATTTTCAACGACAGCACCAACATCATGCACGCCAAATGGCAGGACCTGGCCTCAGGAGGCAGCGC
 CCGTCTGGACATGTTTAAAGAACATCAGCCTGATGACCTTGGACAGTCTGCAGAAATGTGTCTTCAGTTTT
 GATAGCAACTGCCAGGAGAAGCCAGTGAATATTTCTGCCATCTTGGAGCTCAGTGCCCTAGTGCCCA
 AACGGTACCAGCAGCTGCTTCTACACACAGACTCACTCTATCAGCTCACCCATAATGGTTCGGCGCTTCCA
 TAAGGCCTGCAAATTGGTACACAACTTCACAGACGCTGTATCCAGGGTCGACGACGCGCTCTCCCCAGT
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 CAGGAGCGCTGCCGCGAGGAGTGGGGAGCTGCTGAGGGACCGAGAGTCTACAGAGATTGAATGGGACG
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 CTGCATAGGACAGACTTTTGCCATGAACGAGATGAAGGTGGCACTGGCGCTGACGCTGCTGCGCTTCCGC
 GTCCTGCCGATGACAAGGAGCCGCGCGGAAGCCAGAGCTGATCCTGCGTGCGGAGGGCGGACTGTGGC
 TGCGGGTGGAGCCACTGAGCACACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201016 representing NM_173123
 Red=Cloning site Green=Tags(s)

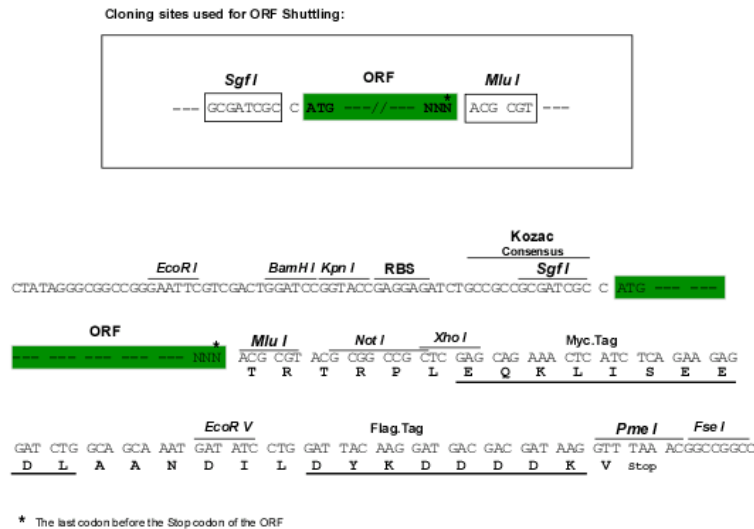
MPQLDLSWLGRLRLETSLPWLLLLLIGASWLLVRVLTQTYIFYRTYQHLCDFPQPPKWNWFLGHLGMITPT
 EQGLKQVTKLVATYPQGFMTWLGPIILPIITLCHPDVIRSVLSASASVALKEVIFYSFLKPWLGDLLLSD
 GDKWSCHRRMLTPAFHFNILKPYVKIFNDSTNIMHAKWQDLASGGSARLDMFNISLMTLDSLQKCVFSF
 DSNQCEKPSEYISAILELSALVAKRYQQLLHTDSLQYQLTHNGRRFHKACKLVHNFDAVIQGRRRALPS
 QHEDDILKAKARSKTLDLFDVLLLTKEDEGKELSDIEDIRAEADTFMFEGHDTTASGLSWILYNLARHPEY
 QERCQREVRELLRDESTEIEWDDLAQLPFLTMCIKESLRLHPPVTVISRRTQDIVLPDGRVIPKGVIC
 IINIFATHHNPTVWPDPEVYDPFRFDPENIKDRSPLAFIPFSAGPRNCIGQTFAMNEMKVALALTLLRFR
 VLPDDKEPRRKPELILRAEGLWLRVEPLSTQ

TRTRPLE**QKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_173123

ORF Size: 1566 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_173123.1](#), [NP_775146.1](#)

RefSeq Size: 2118 bp

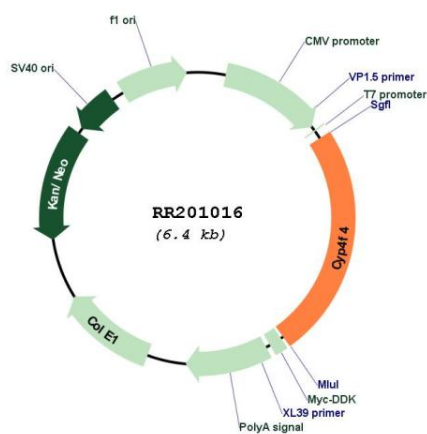
RefSeq ORF: 1569 bp

Locus ID: 286904

UniProt ID: [P51869](#)

Cytogenetics: 7q11
 MW: 60 kDa
 Gene Summary: member of the cytochrome P450 CYP4F subfamily [RGD, Feb 2006]

Product images:



Circular map for RR201016