

Product datasheet for **RN201016**

Cyp4f4 (NM_173123) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN201016 representing NM_173123
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACAGTTGGACCTGTCCTGGCTGGGACTGAGGCTGGAGACATCCTTACCATGGCTGCTTTTGCTGC
 TGATCGGAGCTTCTGGCTCTTGGTCCGTGCTTGACTCAGACCTATATCTTCTACAGAACATATCAACA
 TCTTTGTGATTTCCCTCAACCACCCAAATGGAATTGGTCTTGGGTACCTGGGCATGATCACTCCCACT
 GAGCAAGGTCTGAAGCAGGTAACTAAGCTCGTGGCCACCTACCCCGAGGCTTCATGACATGGCTGGGTC
 CTATCCTCCCTATCATCACTCTGTGCCACCCTGACGTCATTTCGATCTGTTCTCAGTGCCTCAGCTTCGGT
 TGCCCTAAAGGAAGTAATCTTCTACAGCTTTCTGAAACCCTGGTGGGGGATGGACTCCTGTTGAGCGAT
 GGTGACAAGTGGAGCTGCCACCGCCGATGCTGACACCTGCCTTCCACTCAACATCCTGAAACCCTATG
 TGAAGATTTTCAACGACAGCACCAACATCATGCACGCCAAATGGCAGGACCTGGCCTCAGGAGGCAGCGC
 CCGTCTGGACATGTTAAGAACATCAGCCTGATGACCTTGACAGTCTGCAGAAATGTGTCTTCAGTTTT
 GATAGCAACTGCCAGGAGAAGCCAGTGAATATTTCTGCCATCTTGGAGCTCAGTGCCTAGTGGCCA
 AACGGTACCAGCAGCTGCTTCTACACACAGACTCACTCTATCAGCTCACCCATAATGGTCGGCGCTTCCA
 TAAGGCCCTGCAAATTTGGTACACAACTTACAGACGCTGTCCATCCAGGGTCGACGACGCGCTCTCCCCAGT
 CAGCATGAGGATGATATCCTCAAGGCCAAGGCCAGGTCCAAAACCTCTGGATTTTCATTGATGTGCTGCTGC
 TGACCAAGGATGAAGATGGAAAGGAGCTGTGATGAAGACATTAGAGCTGAGGCTGACACCTTCATGTT
 TGAAGGCCATGACACCACAGCCAGTGGGCTCTCCTGGATCCTGTACAACCTTGAAGGCACCCGGAATAC
 CAGGACCGCTGCCGCGAGGAGTGGGGAGCTGCTGAGGGACCGAGAGTCTACAGAGATTGAATGGGACG
 ACCTGGCCAGCTGCCCTTCTGACCATGTGCATCAAGGAGAGTCTGCGACTGCATCCCCAGTCCCGGATC
 CATCTCCCGTCGTTGTACCCAAGACATCGTGCTCCAGATGGCCGGTCAATCCCTAAAGGTGTCATCTGC
 ATCATCAATATTTTCGCGACCCATCACAACTGTTGGCCGACCTGAGGTCTATGATCCCTTCC
 GCTTCGACCCAGAGAATCAAGGACAGGTCACCTCTGGCTTTTATTCCCTTCTCCGCTGGGCCAGGAA
 CTGCATAGGACAGACTTTTGCCATGAACGAGATGAAGGTGGCACTGGCGTGACGCTGCTGCGCTCCCGC
 GTCCTGCCGATGACAAGGAGCCGCGCCGAAGCCAGAGCTGATCCTGCTGCGGAGGGCGGACTGTGGC
 TGGGGTGGAGCCACTGAGCACACAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_173123

Insert Size: 1569 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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

Gene Summary: member of the cytochrome P450 CYP4F subfamily [RGD, Feb 2006]