

Product datasheet for **MR208403**

Cyp4f16 (NM_024442) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Cyp4f16
Synonyms:	2310021J05Rik; AI746515
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208403 representing NM_024442
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGCGGCTAAGTGTGTCTGGGCTGGACCTGGGCTCTGTGGTGACCTCGTCATGGCATCTTCTGCTGC
 TTGGAGTGGCTTCTCGGATTTTGGCCAGAATCCTTGCCTGGACTTACTCATTCTATGAGAACTGCTCCCG
 CCTCAGTTGTTTCCCTCAGCCTCCTAAAAAACTGGTTTTAGGTCACCTTGGGCATGATCCAGAGCAAT
 GAGGAAGGCATGCAGCTGGTTACCGAAATGGGCCAGACTTTCCAAGATGTCCATCTCTTTTGGCTGGGAC
 CAGTGATCCCTGTGCTGAGGATTGTTGACCCTGCATTTGTTGCCCCCTGCTCCAGGCCCCAGCTTTGGT
 GGCCCCAAAGGACATGACATTTTACGCTTCTGAAGCCCTGGCTGGGGGATGGGCTCTTCTGAGTTCA
 GGTGACAAGTGGAGCCGCATCGTCGACTGCTGACACCTGCCTTCCACTTTGATATCCTGAAGCCCTATG
 TGAAGATTTTTAACAGAGTGTGAACATCATGCACGCCAAGTGAAGCACCTATCCTCGAAGGCAGTGC
 ACGTCTGGAATGTTTGAACATCAGCCTCATGACCTTGGACAGTCTGCAGAAATGCCTCTTTGGCTTT
 GACAGCAACTGTGAGGAGTCTCCAGTGAATACATTTCTGCCATCTTGGAACTCAGTTCCCTCATATAA
 AAAGGTCACCTCAGCTCTTCTTGTTCGTTGACTTCTGTATTACCACACTGCTGATGGGCGGCGCTTCCG
 CAAGGCCTGTGACCTGGTGACAACCTTACAGATGCTGTATTAGGGAGAGACGGCACACTCTCCAGC
 CAAAACCATGATGAGTTCTTGAAGTCCAAGACTAAGTCTAAGACTCTGGATTTTATTGATGTTCTCTTGT
 TGGCCAAGGATGAACATGGAAAGGAGCTGTGAGATGAGGACATCCGGGCAGAGGCTGACACCTTTATGTT
 TGGAGGCCATGACACCACAGCCAGTGCCTCTCTGGATCCTGTACAACCTGGCGAGGCACCCCAATAC
 CAGGAGCGCTGCCGGCAGGAGTTTCAAGAGCTGCTGAGGGACCGAGAGCCTGAGGAGATTGAATGGGACG
 ACCTGGCCAGCTACCTTCTGACCATGTGCATCAAGGAGAGTCTGCGCTACATTTCCAGTCATAGA
 CCTCTCCGCGCTGCACCCGGGACATTGTGCTACCTGATGGCCGGGTATCCCTAAAGGGAACATCTGT
 GTCATCAGCATCTTTGGTATTTCATCACAATCCATCAGTCTGGCCAGACCTGAGGTCTATGACCCCTTCC
 GCTTTGACCAGAAAACCCACAGAAGAGTCCCTCTGGCTTTTATTCCTTTTCTGCCGGGCCAGGAA
 CTGCATAGGACAGACTTTGCCATGAGCGAGATGAAGTGGCACTGGCGCTGACTCTGCTGCGCTTCCGC
 ATCCTGCCTGATGACAAGGAGCCGCGCGGAAGCCAGAGATAATCCTGCCGGCGGAGGCGGGTTGTGGC
 TCGGGGTGGAGCCTCTGAGCAAGGCGCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR208403 representing NM_024442
 Red=Cloning site Green=Tags(s)

MLRLSVSGLDLGSVVTSSWHLILLGVASWILARILAWTYSFYENCSSLSCFPQPPKKNWFSGHLGMIQSN
 EEGMQLVTEMGQTFQDVHLFWLGPVLPVLRIVDPAPVAPLLQAPALVAPKDMTFLRFLKPWLGDGLFLSS
 GDKWSRHRRLTPAFHFDILKPYVKIFNQSVNIMHAKWKHLSEGSARLEMFEHISLMTLDSLQKCLFGF
 DSNQESPSEYISAIELSSLIIKRSLLFLFVDLYYHTADGRRFRKACDLVHNFTDAVIRERRHTLSS
 QNHDFLKSSTKSLTDFIDVLLAKDEHGKELSDIEDIRAEADTFMFGGHDTTASALSWILYNLARHPEY
 QERCRCQEVQELLRDREPEEIEWDDLAQLPFLTMCIKESLRHSPVIDLLRRCTRDIVLPDGRVIPKGNIC
 VISIFGIHHNPSVWPDPEVYDPFRFDPENPQKRSPLAFIPFSAGPRNCIGQTFAMSEMKVALALTLLRFR
 ILPDDKEPRRKPEIILRAEGLWLRVEPLSKGAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9060_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024442

ORF 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](#)

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_024442.2

RefSeq Size: 2192 bp

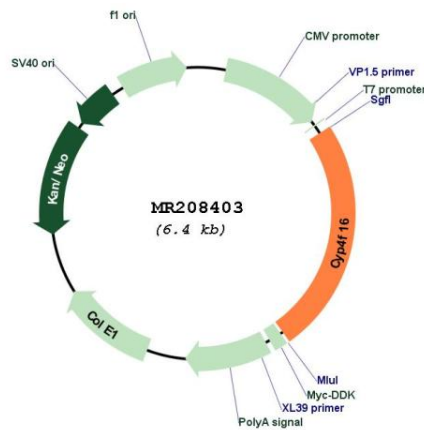
RefSeq ORF: 1575 bp

Locus ID: 70101

Cytogenetics: 17 B1

MW: 60.2 kDa

Product images:



Circular map for MR208403