

Product datasheet for **MR208398**

Cyp4f18 (NM_024444) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Cyp4f18
Synonyms:	1810054N16Rik; Cyp4f3; Cypf18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208398 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTACAGCTGAGCCTGCTCTGGATGGGCTGGGCCACACAGCAGCCTCTCCATGGCTGTTGCTGTTGC
 TGGCTGGGGCTCTGCTTCTGGCTTACATCCTGACCCAGATTTATGGTGTGTTTGAGAACTCTCTTCG
 CCTCCGCTGTTTCCACAGCCTCCCAAACGAACTGGATCTTGGGACACCTAGGCTGATCCAGAGCTCA
 GAGGAAGGACTCCTGTACATCCAGAGCCTGGTGCGAACCTTCAGGGATGCATGCTGCTGGTGGTGGGGC
 CGTTGCACCCAGTCATCCGCATATTCACCCTGCTTTTCATCAAGCCTGTGGTCTTGGCTCCAGCTTTAGT
 TGCCCCCAAGGACACAGTCTTCTACCGTTTCTGAAGCCGTGGCTAGGGGATGGCCTCTTGATGAGTACT
 GGTGACAAGTGGAGCCGCCACCGTCGCATGCTGACACCTGCCTTCCATTCAACATCCTGAAGCCCTATG
 TGAAGGTTTTAATGACAGCACCACATCATGCACGCCAAGTGGCAGCGCTGGCCTCAAGGGCAGTGC
 CTATTTGAACATGTTTGAACACATCAGCCTCATGACCTGGACAGTCTGCAGAAGTGTGTTTTCAGCTTT
 GACAGCAATTGCCAGGAGAAGCCTAGTGAATACATCACTGCCATCTTAGAACTTAGTGCCTTAGTGGCCA
 GAAGGCACAGAGGCTGCTTCTGCACGTGGACCTGTTTATTACCTCACCCATGATGGGATGCGCTTCCG
 GAAGGCTGCCGCTAGTGCATGACTTCACTGATGCTGTATCCGGGAGCGGCCGCCACCTCCTTGAT
 CAGGGTGGTGTATGATGTCTCAAGGCCAAGGCCAAGGCCAAGACTTTGGACTTCATTGACGTGCTGCTGC
 TGAGCAAGGATGAACATGGAAAGGCTCTGTCTGATGAGGACATCCGAGCGGAGGCTGACACCTTCATGTT
 TGGAGGCCATGACACCACAGCCAGTGGACTTCTGGATCCTGTACAACCTGGCAAGACACCCAGAATAC
 CAGGAGCGCTGCCGGCAGGAGTGCAGGAGCTCCTGAGGGACCGCAGCCTGAGGAGATTGAATGGGACG
 ACCTGGCCAGCTGCCATTCTCACCATGTGCATTAAGGAGAGCCTACGGCTGCATCCTCCGCTCACTGC
 AATCTCCCGATGCTGCACTCAGGACATTGTGCTCCAGATGGTCGGGTATCCCTAAAGGTGTATAAGC
 CGAATAAGTATTTTCGGGACACATCACAATCCAGCTGTGTGGCCAGACCCGGAGGTCTATGACCCCTTC
 GCTTTGATGCCGACAACGTCAAGGGCAGGTACCCCTGGCTTTTATCCCTTCTCGGCTGGGCCAGGAA
 CTGCATAGGACAGACTTTCGCATGAGCGAGATGAAAGTAGCTCTGGCGCTGACTCTGCTGCGCTTCCGC
 GTTCTGCCGGATGACAAGGAGCCCCGAGGAGCTGATCCTGCCGCGAGAAGCGGGCTGTGGC
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 ACAAGGATGACGACGATAAGGTTTAA

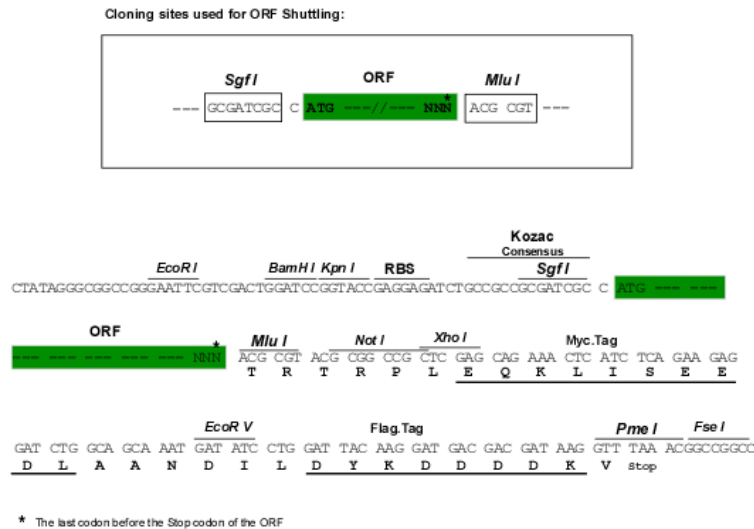
Protein Sequence: >MR208398 protein sequence
 Red=Cloning site Green=Tags(s)

MSQLSLSWMGLGHTAASPWLLLLLAGASCLLAYILTQIYGVFENSLRLRCFPQPPKRNWILGHLGLIQSS
 EEGLLYIQSLVTRFRDACCWWVGPLHPVIRIFHPAFIKPVVLAPALVAPKDTVYRFLKPWLGDLMLST
 GDKWSRHRMLTPAFHFNILKPYVKVFNDSTNIMHAKWQRLASKGSAYLNMFEHISLMTLDSLQKCVFSF
 DSNQEKPEYITALELSALVARRHQRLLLHVDLFYYLTHDGMFRKACRLVHDFDAVIRERRRRLTD
 QGGDVLKAKAKATLDFIDVLLLSKDEHGKALSDIEDIRAEADTFMFGGHDTTASGLSWILYNLARHPEY
 QERCQREVRELLRDPEEIEWDDLAQLPFLTMCIKESLRLHPPVTAISRCTQDIVLPDGRVIPKGVIS
 RISIFGTHHNPVWPDPVEYDPFRFDADNVKGRSPLAIPFSAGPRNCIGQTFAMSEMKVALALTLLRFR
 VLPDDKEPRRKPELILRAEGLWLKVEPLSAGAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024444

ORF Size: 1572 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.

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

RefSeq: [NM_024444.1](#), [NP_077764.1](#)

RefSeq Size: 1702 bp

RefSeq ORF: 1575 bp

Locus ID: 72054

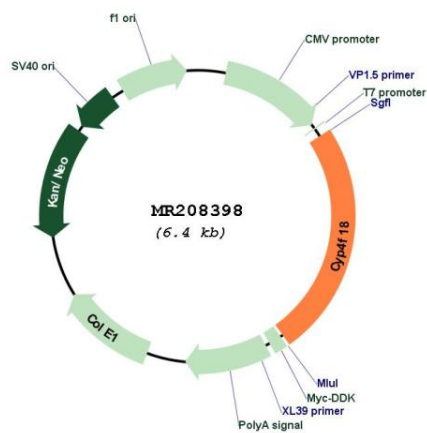
UniProt ID: [Q99N16](#)

Cytogenetics: 8 B3.3

MW: 59.8 kDa

Gene Summary: Cytochromes P450 are a group of heme-thiolate monooxygenases. Catalyzes the omega-hydroxylation of LTB4, a potent chemoattractant for polymorphonuclear leukocytes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208398