

Product datasheet for **MR208452**

Cyp4f15 (BC021377) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp4f15 (BC021377) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyp4f15
Synonyms:	AI787289; Cyp4f-15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR208452 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGGGTTTTTCAGGATGCCACAGTTGGACCTGTCTTGGCTGGGACTGAGGCTGGAGGCATCCTCACCAT
 GGCTGCTTTTGTGCTGATCGGAGCTTCCTGGCTCTTGGCCCGTGTCTGACTCAGACCTATATCTTCTA
 CAGAACATATCATCATCTTTGTGATTTCCCTCAACCCCCAAATGGAATTGGTTCTTGGGTACCTAGGC
 ATGATCACACCCACTGAGCATGGTCTGAAGGAGGTGACTAACCTGGTGGCCACCTACCCCCAGGCTTCA
 TGACATGGCTGGGTCTATCATTCTATCATCACTCTGTGCCACCCTGACATCATTGCATCTGTTCTCAA
 TGCCTCAGCTTCGGTAGCCCTAAAGGAAGTAGTCTTCTACAGTTTCTGAAACCTTGGCTGGGGGATGGG
 CTCTTGCTGAGTGATGGTGACAAGTGGAGCAGCCACCGTCGCATGTTGACACCTGCTTTCCATTTCAACA
 TCCTAAAACCTATGTGAAGATTTCAATGACAGCACCAACATAATGCATGCCAAGTGGCAGCACCTGGC
 CTCAGGTGGCAGCGCCCTCTGGATGTGTTTGAAGACATCAGCCTCATGACCTTGGACAGCTGCAGAAA
 TGTGTCTTCAGTTTTGATAGCAACTGCCAGGAGAATCCAGTGAGTATATTTCTGCCATCTTGGAGCTCA
 GTGCCCTAGTGACCAACGGTACCACAGCTGCTTCTACACATAGACTCACTCTATCAGCTCACCTGTAG
 TGGGCGGCGCTTCCACAAGGCCTGCCACCTGGTGACAGCTTACAGATGCTGTCATCCAGGATCGACGA
 CGTACTCTCCCGAGTAAGCATGAGGATGATGTCCTCAAGGCCAAGGCTAAGTCCAAAACCTCTGGATTTCA
 TTGATGTGCTGCTGCTGAGCAAGGATGAAGATGGAAAGGAGCTGTGAGATGAGGACATTAGAGCAGAGGC
 TGACACCTTCATGTTTGGGGCCATGACACCACAGCCAGCGGGCTCTCCTGGATCCTGTACAATCTGGCA
 AGGCACCCAGAATACCAGGAGCGCTGCCGCGAGGAGTGCAGGAGCTGCTGAGGGATCGAGAGTCTACAG
 AAATTGAGTGGGACGACTTGGCCAGCTACCTTCTGACCATGTGCATCAAGGAGAGTCTGCGGCTGCA
 TCCCCAGTCACGGTCATTTCCCGTCGTTGTACCAAGACATTGTGCTCCAGATGGCCGGGTCAACCT
 AAAGGTGTATCTGCATCATCAATATTTTCGCGACCCATCACAACCCAACTGTGTGGCCTGACCCTGAGG
 TTTATGACCCCTTCCGCTTTGACCCAGAGAATATCAAGGACAGGTACCTCTGGCTTTTATTCCTTCTC
 CGCTGGGCCCAGGAAGTGCATAGGACAGACGTTTGCTATGAACGAGATGAAGGTGGCGCTGGCGTGACG
 CTGCTGCGCTTCCGTGTGCTGCCAGATGACAAGGAGCCGCGCGGAAGCCCGAGTTGATCTGCGCGCAG
 AGGGCGGGCTGTGGCTGCGGGTGGAGCCGCTGAGCACACAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208452 protein sequence
 Red=Cloning site Green=Tags(s)

MGFFRMPQLDLSWGLRLLEASSPWLLLLLIGASWLLARVLTQTYIFYRTYHHLCDFPQPPKWNWFLGHLG
 MITPTEHGLKEVTNLVATYPQGFMTWLGPIIPIITLCHPDIIRSVLNASASVALKEVVFYSFLKPWLGDG
 LLLSDGDKWSSHRMLTPAFHFNLKPYPVKIFNDSTNIMHAKWQHLASGGSARLDVFENISLMTLDSLQK
 CVFSFDSNCQENPSEYISAILELSALVTKRYHQLLLHIDSLYQLTCSGRRFHKACHLVHSFTDAVIQDRR
 RTLPSKHEDDLKAKAKSKTLDLFDVLLLSKDEDGKELSDIEDIRAEADTFMFEGHDTASGLSWILYNLA
 RHPEYQERCRQEVQELLRDRESTEIEWDDLAQLPFLTMCIKESLRLHPPVTVISRRCTQDIVLPDGRVIP
 KGVICIIINIFATHHNPTVWPDPEVYDPFRFDPENIKDRSPLAFIPFSAGPRNCIGQTFAMNEMKVALALT
 LLRFRVLPDDKEPRRKPELILRAEGLWLRVEPLSTQ

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC021377

ORF Size: 1581 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.

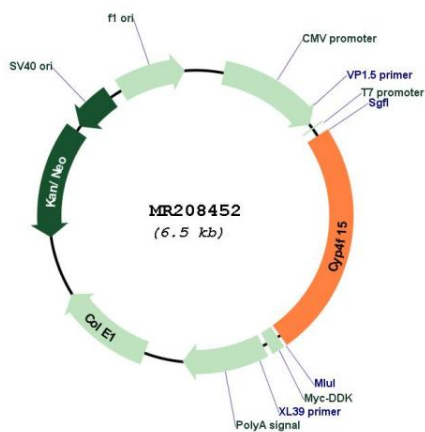
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	BC021377 , AAH21377
RefSeq Size:	2120 bp
RefSeq ORF:	1583 bp
Locus ID:	106648
Cytogenetics:	17 B1
MW:	60.6 kDa

Product images:



Circular map for MR208452