

Product datasheet for **MR208057**

Cyp2j6 (NM_010008) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2j6 (NM_010008) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyp2j6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208057 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCGTCTACCGCTCCTTGTAGCCACGATCTGGGCAGCGCTCCATCCCAGGACTCTGTTGGTGG
 CTGCAGTCACCTTCTGCTTCTGGCTGATTACTTCAAAAACCGCGCCCAAGAAGTATCCCCAGGGCC
 TTGGGCTCTGCCTTTCGTGGCAACATATTCCAGTTGGACTTTGGGCAGCCCCACCTCTCAATCCAGCCG
 TTGGTGAAGAAATATGGGAATTTTTAGCCTGAATCTTGGTGACATAACTTCAGTGGTCATAACTGGAC
 TGCCCTTAATCAAAGAAGCACTTACTCAAATGGAACAAAACATTATGAATCGTCTCTAAGTGTTATGCA
 AGAACGTATATCTAATAAAAATGGATTGATCTTCTCCAGTGGCCAAATATGGAAGGAGCAAAGAAGGTTT
 GCCCTGATGACTGAGGAAGCTTTGGACTGGGAAAGAAGAGCTTAGAGGAGCGCATGCAGGAGGAGGCC
 CCCACCTAGTGAAGCCATAAGAGAGGAGGAAGGAAAACCTTTCAACCCTCACTTCAGTATCAACAATGC
 AGTTTCCAATATCATTGCTCTGTACCTTTGGGAGCGCTTTGACTACCATGACAGTAGATTTCCAGGAG
 ATGCTGAGGTTACTGGACGAGGTTATGTATTTGGAGACAACAATGATTAGTCAGCTGTATAATTTTTTC
 CATGGATAATGAAATACATCCCTGGATCACATCAAAAAGTTTTTCAGAAACTGGGAAAAACTAAATTTGT
 TGTCTCTTGATGATTGATGATCACCGAAAGACTGGAACCCCGATGAACCAAGAGACTTCATTGATGCT
 TTCCTCAAGGAAATGACAAAGTACCCAGAGAAGACTACAAGTTTCAATGAAGAAAACCTTATCTGCAGCA
 CTTTGGACCTCTCTTTGCTGGAACAGAGACAACATCACTACATTACGCTGGGCTCTGCTCTACATGGC
 CCTTACCCAGAAGTCCAAGAAAAGTACAGGCAGAGATTGATAGGGTGATTGGCCAGAAGAGGGCAGCA
 AGACTTCTGATAGAGAATCCATGCCCTATACCAATGCTGTATCCACGAGGTGCAGAGGATGGCAATA
 TCATCCCCTTGAATGTTCCAGGGAAGTAGCAATGGATACCAATTTGAATGGATTTCACTGCCAAAGGG
 TACAATGGTTCTAACAAAACCTAACTGCACTGCACAGAGACCCAAAAGAGTGGGCCACTCCAGATGTGTT
 AATCCAGAGCACTTTTTGGAGAATGGACAGTTTAAAGAAGAGAGAATCCTTTCTGCCCTTCTCAATGGGAA
 AGCGAGCTTGCCTGGGAGAACTGGCCAGGTCTGAGCTGTTTCTTCTCACTAGCCTTATGCAAAA
 ATTCACCTTCAATCCCCAATCAATGAGAAGCTGAGCCCAAAGTTCAGAAATGGCCTCACACTTTCTCCA
 GTCAGCCACCGCATCTGTGCTGTCCCTAGACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208057 protein sequence
 Red=Cloning site Green=Tags(s)

MLAATGSLLATIWAALHPRTLLVAAVTFLLLADYFKNRRPKNYPPGPWGLPFVGNIFQLDFGQPHLSIQP
 LVKKGNIIFSLNLGDITSVVITGLPLIKEALQMEQNIIMNRPLSVMQERISNKNGLIFSSGQIWKEQRRF
 ALMTRLNRFGLGKKSLEERMQEEASHLVEAIREEEGKPFNPHFSINNAVSNIICSVTFGERFDYHDSRFQE
 MLRLLDEVMYLETTMISQLYNIIFPWIMKYIPGSHQKVFRNWEKLLFVSCMIDDHRKDWNPDPRDFIDA
 FLKEMTKYPEKTTSFNEENLICSTLDLFFAGTETTSTTLRWALLYMALYPEVQEKVQAEIDRVIGQKRAA
 RLADRESMPYTNVAVIHEVQRMGNIIPLNVPREVMDTNLNGFHLPGKTMVLTNLTAHHRDPKEWATPDVF
 NPEHFLENGQFKKRESFLPFSMGKRACLGEQLARSELFIFFTSLMQKFTFNPPINEKLSPKFRNGLTLP
 VSHRICA VPRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_010008

ORF Size: 1506 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](#)

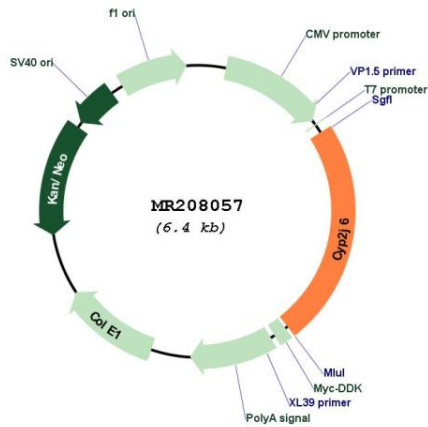
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_010008.1](#), [NM_010008.2](#), [NM_010008.3](#), [NM_010008.4](#), [NP_034138.2](#)
 RefSeq Size: 3595 bp
 RefSeq ORF: 1506 bp
 Locus ID: 13110
 UniProt ID: [O54750](#)
 Cytogenetics: 4 44.62 cM
 MW: 57.8 kDa

Product images:



Circular map for MR208057