

Product datasheet for **MR225448**

Cyp11b2 (NM_009991) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp11b2 (NM_009991) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyp11b2
Synonyms:	Cpn2; Cyp11b; Cyp11b-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225448 representing NM_009991
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

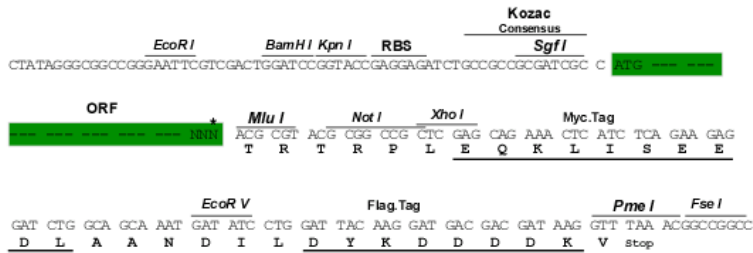
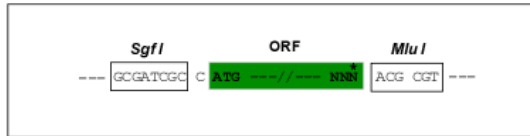
ATGGCAATGGCTCTCAGGGTGACAGCAGATGTGTGGCTGGCAAGACCCTGGCAGTGCCTGCACAGGACAA
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 CATCAGGTCTTCCGGGAGCTGGGGCCATTTTCAGGCACAGTGTAGGGAAAAACAGATCGTATCTGTGA
 TGTGCCGGAGGATGCTGAGAAGTTGCACCAGGTGGAGAGTATGCTCCCCGTCGGATGCACCTGGAGCC
 CTGGGTGGCCACAGAGAACTCCGTGGCCTGAGACGTGGTGTGTTCTTGCTAAATGGCCAGAATGGCGT
 CTAACCGACTGCGGCTGAACCGAAATGTGCTGTACCAAAGCCGTTCAAAAATTTGCCCATGGTGG
 ACATGGTAGCAAGGGACTTCTTGGAGACCTTGAAGAGAAAGTGTCTCAAATGCTGTGGGAGCCTTAC
 CATGGATGTCAGCAAAGCCTCTTCAACTACACTATAGAAGCCAGCAACTTTGCTCTTTTGGGGAACGG
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 GACCCCTTTTGGAGCTGGCTCGGAACCCAGATGTTTCAAGGCCCTGAGGCAGGAGAGCCTGGCAGCTGAG
 GCCAGCATCGCTGCAAACTCTCAGAAGGCCATGTCAGACCTGCCCTTGTGAGGGCTGCCCTTAAAGAGA
 CTTTGGGCTCTATCCTGTTGGTGGCTTTTGGAGAGAATTCTAAGCTCAGACTTGGTGCCTCAGAATA
 CCATGTCCTGCTGGGACATTGGTCTACTTTATCTCTACTCCATGGGCCGAAACCCCTGCAGTGTCCCA
 AGGCCTGAACGCTATATGCCTCAGCGCTGGCTGGAGAGGAAAAGGAGTTTCCAGCACCTAGCCTTTGGCT
 TTGGGGTGCAGTGCCTGGGAGGCGCTGGCAGAGGTGGAGATGATGCTCCTGCTTACCATACTACT
 GAAAACCTTCCAGGTGGAGACACTGAGGCAAGAGGATGTGCAGATGGCCTACCGCTTTGTTTGTGCC
 AGCTCCAGCCCTGCTCACTTTCCGGCTGTGAGC

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

**Restriction Sites:
 Cloning Scheme:**

Sgfl-MluI

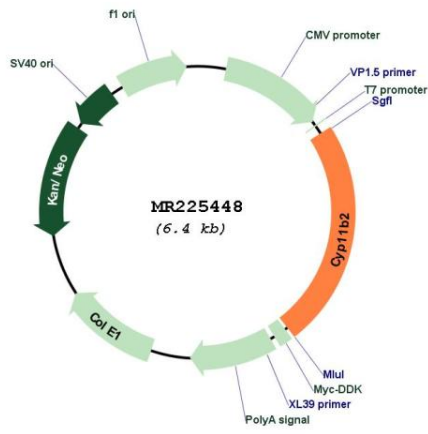
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_009991
ORF Size:	1506 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:	<ol style="list-style-type: none">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_009991.3 , NP_034121.3
RefSeq Size:	1625 bp
RefSeq ORF:	1509 bp
Locus ID:	13072
UniProt ID:	P15539
Cytogenetics:	15 34.29 cM
MW:	58 kDa
Gene Summary:	Forms corticosterone from 11-deoxycorticosterone.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225448