

Product datasheet for **MG220684**

Cyp20a1 (NM_030013) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp20a1 (NM_030013) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyp20a1
Synonyms:	A930011N14Rik; Cypm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG220684 representing NM_030013
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGACTTCGCCATCTTCGCCGTGACGTTCTGCTGGCGCTGGTGGGAGCGGTGCTGTACCTCTACC
CGGCTTCCCGCAAGCTTCAGGAATTCAGGGCTTACTCCAAGTGAAGAAAAAGATGGTAATCTTCAGAG
CATTGTAAACAGTGGAAGTTTGCATGAGTTCCTGGTTAATTTGCATGAAAGATACGGCCTGTGGTCTCT
TTCTGGTTTGGCAGGCGTCTTGTTAGCTTGGGCACCACTGATGTACTGAAGCAACATTTCAACCCCA
ATAAGACTTCGGACCCATTTGAAACCATGTTGAAGTATTATTAGGGTATCAGTCTGGCGGAGGGAGTGC
GGGTGAGGACCACGTGAGGAGGAACTGTATGGAGATGCCGTGACAGCTTCTCTGCATAGTAACTCCCT
CTCCTGCTACAGCTTTCAGAAGAATTGTTAGATAAATGGCTGCCTATCCAGAGACCCAGCACATACCTC
TGAGCCAGCATATGCTCGGTTTTGCTTTGAAGTTTGTACAAGGATGGTACTGGGTAGCACCTTTGAAGA
TGAACAGGAGTCCGATTCCAAAAGATTCATGGCACAGTGTGGTCTGAGATTGAAAAGGCTTTCTA
GATGGGCTACTCGATAAAAACCACTCGGAAAAACAGTATCAAGAGGCTCTCATGCAATTGGAATCCA
CTTTAAAGAAAAATCATAAAGGAACGAAAAGGAGGGAATTCAGGCAACACACCTTCATCGACTCCTTAAC
ACAGGGAAAACTTAATGAGCAACAGATCCTAGAGGACTGTGTGGTGTCTCTCGGCCAGCTGCATAATA
ACTGCAAGGTTGTACTGGACGATCCATTTCTTACGACGACTGGAGAAGTTCAGAAGAAGCTATGCA
AGGAGATAGACCAAGTTTTAGGGGAGGGTCTATCACTTCAGAGAAAATTGAGCAGCTCAGTTATTGTCA
GCAAGTACTTTTTGAACTGTTCCGACTGCTAACTAACTCCAGTTTCTGCCCGCTTCAAGACATTGAA
GGAAAAGTCGGCCATTTGTTATTCCTAAGGAGACACTCGTCTTTATGCCCTTGGCGTGGTTCTTCAGG
ACCCACGCACTTGCCATTACCACACAGTGGTATCCAGACCGCTTGGTGCAGCAGCCAGTATGAAAGT
GTTTTCTCTCTGGCTTCTCAGGCACATGGGAATGTCCAGAAGTCCAGGTTTGGTTACATGGTGACCGCA
GTGCTTGTGAGTGTGTGCTGAAGAGGCTGCGCCTGCTCGCTGTGGACAGACAAGTTTTTGAATGAAGT
ATGAACTGGTCACATCAGCAAGGAAGAAGCTGGATCACTGTCTCCAAAAGACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220684 representing NM_030013
Red=Cloning site Green=Tags(s)

MLDFAIFAVTFLLALVGAVLYLYPASRQASGIPGLTPTEEKDGNLPDIVNSGSLHEFLVNLHERYGPVVS
FWFGRRLVSLGTTDVLKQHFNPNTSDPFETMLKSLLYQSGGGSAGEDHVRRLYGDVATASLHSNFP
LLLQLSEELLDKWL SYPETQH IPLSQHMLGFALKFVTRMVLGSTFEDEQEVI RFQKIHGTVWSEIGKGF
DGS�DKNTTRKKQYQEALMQLESTLKKI IKERKGGNFRQHTFIDSLTQGKLNQQI LEDCVVFLASCI I
TARLCTWTIHFLTTTGEVQKCLKKEIDQVLGEGPITSEKIEQLSYCQVLFETVRTAKLTPVSARLQDIE
GKVGPFFVIPKETLVL YALGVVLQDPSTWPLPHRFDPDRFADEPVMKVFSSLGFSGTWCEPELRFAYMVTA
VLVSVLLKRLRL LAVDRQVFEMKYELVTSAREEAWITVSKRH

TRTRPLE - GFP Tag - V

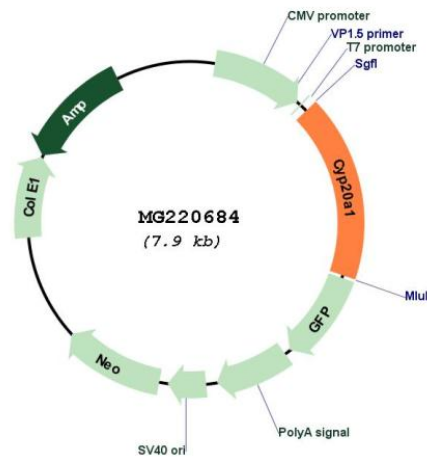
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030013

ORF Size: 1386 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:	<u>NM_030013.3</u> , <u>NP_084289.1</u>
RefSeq Size:	1501 bp
RefSeq ORF:	1389 bp
Locus ID:	77951
UniProt ID:	<u>Q8BKE6</u>
Cytogenetics:	1 C2