

Product datasheet for **MG215303**

Cyp26c1 (NM_001105201) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp26c1 (NM_001105201) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyp26c1
Synonyms:	EG546726
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215303 representing NM_001105201
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTCTGGGGCTGAGCTGTTTGTCCGTGCTGGGGCTGCCGGCACCACTCTCCTGTGTGCGGGTC
 TGCTGCTCGGCCCTGGCCCAACAACCTCTGGACCCTCCGCTGGACTCTGAGCCGGGATTGGGCTCCACCTT
 GCCCTACCCAAGGGCTCCATGGGCTGGCCATTCTTCGGTGAAACGCTGCACTGGTTGGTACAGGGCTCT
 CGTTTCCACAGTTCGCGCCGCGAGCGCTACGGGACAGTGTAAAGACGCACCTTCTGGGCAGGCCAGTGA
 TCCGGGTGAGCGGCGCTGAGAACGTGCGCACCATCCTGCTGGGCGAGCACCGCTGGTGCCTAGCCAGTG
 GCCACAGAGTGCGCATATTCTACTAGGGTCACACACACTACTTGGCGGGTTGGTGGAGCCCATCGGCAA
 CGGCGTAAGGTCCTGGCGCGGTGTTAGCCGCTCCTCTCTGGAGCAATTCGTGCCACGGTTGCAGGGGG
 CGCTGCGGCGAGAGGTGCGCTCCTGGTGCGCCGCCAACGACCGGTGGCTGTTTACCAGGCGGCCAAAGC
 ACTCACCTTCGCATGGCCGCGCGCATCCTGCTGGGTCTGCAGCTGGACGAAGCGCGATGCACCGAGCTG
 GCCCATACCTTTGAACAGCTGGTGGAGAACCTTCTCTACTGCCCTTGGAGCTACCGTTACGCGGCTGC
 GCAAGGGCATCCGGGCCAGGGACCAATTGTATGAGCACCTGGATGAGGCCGTCGCTGAGAAGCTTACGGA
 GAAACAGACAGCAGAGCCAGGTGATGCCCTGCTTTGATTATTAACAGCGCTAGGGAGCTGGGCCACGAG
 CCCTCAGTGCAAGAGCTGAAGGAGTTGGCTGTAGAGCTCCTCTTCGCGGCCCTTTTACCACAGCCAGCG
 CCAGCACATCCCTCATCTGCTGCTTCTGCAGCACCCAGCAGCCATACCAAAAATCCAGCAGGAGCTGTC
 AGCGCAGGGCTGGGGCGCGCTGCACTTGACACCCAGAGCCTCAGGATCGCCACCGGACTGCGGTTGT
 GAGCCCGACCTTAGCCTGGCCATGCTGGGCCGTTTGCCTACGTCGACTGCGTAGTCAAGGAGGTGCTGC
 GCCTCTACCGCCGGTGTCCGGGGCTACCGCACTGCGCTGCGCACCTTGAAGTGGACGGTTACCAGAT
 CCCCAAAGGCTGGAGCGTGATGTATAGCATCCGAGACACGCATGAGACAGCCGAGTGTACCGTAGCCCG
 CCCGAGGGCTTCGATCCGAGCGCTTGGCGTGGAGAGTGGAGACGCGCGGGGCTCCGGTGGCCGCTTTC
 ATTACATCCCGTTCCGGCGCGCGCGCAGCTGCCTGGGGCAGGAGCTAGCGCAGGCGGTGCTGCAACT
 GCTCGCAGTGCAGCTGGTGCACCCGCGCGCTGGGAGCTGGCCACACCTGCCTTCCCGTAATGCAGACG
 GTGCCCATCGTGCACCCGGTGGACGGGCTGCTGCTTTTTCCACCCTTCCGACTTCGGGTGCGGGAG
 ATGGGTTACCCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG215303 representing NM_001105201
 Red=Cloning site Green=Tags(s)

MISWGLSCLSVLGAAGTLLCAGLLLGLAQQLWTLRWTLSRDWASTLPLPKGSMGWPFPGFETLHVLVQGS
 RFHSSRRERYGTVEFKTHLLGRPVIRVSGAENVRTILLGEHRLVRSQWPQSAHILLGSHTLLGAVGEPHRQ
 RRVKVLARVFSRSSLEQFVPRQLQALRREVRSWCAAQRPVAVYQAAKALTFRMAARILLGLQLDEARCTEL
 AHTFEQLVENLFSPLDVPFSGLRKGRIRARDQLYEHLDEAVAEKLQEKQTAEPGDALLLIINSARELGHE
 PSVQELKELAVELLFAAFFTTASASTSLILLLLQHPAAITKIQQELSAQGLGRACCTPRASGSPDPCGC
 EPDLSLAMLGRLRYVDCVVEKVLRLPPVSGGYRTALRTFELDGYQIPKGWSVMYSIRDTHETAAYVYRSP
 PEGFDPERFVSGDARGSGGRFHYIPFGGARSCLGQELAQAVLQLLAVELVRTARWELATPAFPVMQT
 VPIVHPVDGLLLFFHPLPTSGAGDGLPF

TRTRPLE – GFP Tag – V

Restriction Sites:

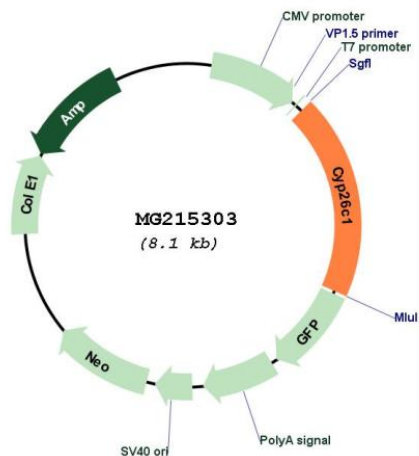
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001105201
ORF Size:	1554 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_001105201.1 , NP_001098671.1
RefSeq Size:	1557 bp
RefSeq ORF:	1557 bp
Locus ID:	546726
Cytogenetics:	19 C2