

Product datasheet for **MG215267**

Cyp2d22 (NM_019823) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2d22 (NM_019823) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyp2d22
Synonyms:	2D22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215267 representing NM_019823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGACTGCCGACCGGGCTGAACTGTGGCCATAGCCATATTCACGGTCATCTTCTGATTCTGGTGA
 ACCTGATGCACTGGCGCCAGCGCTGGACTGCCACTACCCTCCAGGCCCTATGCCGTGGCCTGTGCTTGG
 GAACCTGCTGCACATGGACTTCCAGAATATGCCAGCAGGCTTCCAAAAGCTGCGGGTTCGCTATGGGGAC
 CTGTTACAGCTACAGCTGGCCTCTGAGTCAGTGGTTGTAATAATGGGCTGACGGCCCTGCGAGAGGCAC
 TGGTGAACACAGCGAGGACTGCTGACCGGCCACCGCTGCATTTCAATGACCTGCTGGGCTTTGGACC
 ACGCTCTCAAGGTATAGTCTAGCACGGTATGGGCTGCCTGGCGTCAGCAGCGGCGCTTCTCTGTGTCT
 ACCATGCACCCTTTGGCCTGGCAAGAAGTCACTGGAGCAGTGGGTGACTGAGGAGGCCAGATGCCTCT
 GTGCCGCCTTCGCTGACCATACTGGACACCCTTTCAGCCCTAACACCCTATTGGACAAAGCAGTGTGTA
 CGTGATCGCGTCCCTCCTATGCCTGCCGCTTTGAGTACGATGACCCACGCTTCATCAGGCTACTGGGC
 TTGTTGAAGGAACTCTTAAGGAGGAAGCTGGATTCTACCCATGTTCTGAATGTGTTCCCGATGCCTC
 TGCGCATCCCGGGCTGGTTGGCAAGGTCTTCCCTGGGAAAAGGGCCTTTGTTACCATGTTGGATGAGCT
 GCTGGCTGAACACAAGACGACCTGGGACCTACCAGCCACCCCGAGATTTGACTGATGCCTTCTGGCT
 GAGGTGGAGAAGGCCAAGGGGAATCCTGAGAGCAGCTTCAATGATGAGAACCTGCGCACGGTAGTGGGTG
 ACCTGTTCTCTGCAGGGATGGTGACCACCTCAACCACACTGTCTGGGCCTGATGCTCATGATCCTGTA
 TCCAGATGTGCAGCGCCGAGTACAACAGGAAATCGATGAAGTCATAGGCGAGTGCAGTGTCCAGAGATG
 GCAGACAGGCTCGCATGCCCTACCAATGCTGTGATTCATGAGGTGCAGCGCTTTCAGACATTCTCC
 CTCTTGGTGTACCTCACAAAGACTTCTCGTGACATTGAACACTACAGGGCTTCTTATCCCTAAGGGGACGAC
 CCTCATACCAACCTGTCTCCGCGCTAAAAGATGAGACTGTCTGGGAGAAGCCCTCTGCTTCCATCCT
 GAACACTTCTGGATGCCAGGGCCACTTTGTGAAGCCTGAGGCCTTCATGCCATTCTCAGCAGGCCGCA
 GATCATGCCTGGGGAGCCCTGGCCCGCATGGAGCTTCTCTCTTCTCACCTGCCTCCTGCAGCGCTT
 TAGCATCTCAGTGCCGATGGACAGCCCCAGCCAGCACCATGGCGTCTTAGGGCTCTGACAACCCCA
 TGCCCTACCAGCTCTGTGCTTTGCCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215267 representing NM_019823
 Red=Cloning site Green=Tags(s)

MRLPTGAELWPIAIFTVIFLILVNLHWRQRWTAHYPPGMPWPVLGNLLHMDFQNPAGFQKLGRYGD
 LFSLQLASESVVVLNGLTALREALVKHSEDTADRPPLHFNDLLGFGPRSQGIVLARYGPAWRQRRFVS
 TMHHFGLGKKSLEQWVTEEARCLCAAFADHTGHPFSPNTLLDKAVCNVIASLLYACRFEYDDPRFIRLLG
 LLKETLKEEAGFLPMFLNVFPMLLRIPGLVGKVFPGKRAFTMLDELLAEHKTTWDPTQPPRDLTDAFLA
 EVEKAKGNPESSFNDENLRTVVGDLFSGMVTTSTLWALMLMILYPDVQRRVQQEIDEVIGQVQCPEM
 ADQARMPYTNVIEHVQRFADILPLGVPHKTSRDIELQGFLIPKGTTLITNLSSALKDETVWEKPLCFHP
 EHFLDAQGHFVKPEAFMPFSAGRRSCLGEPLARMELFFFTCLLQRFSSISVPDQQPQPSDHGVFRALTP
 CPYQLCALPR

TRTRPLE - GFP Tag - V

Restriction Sites:

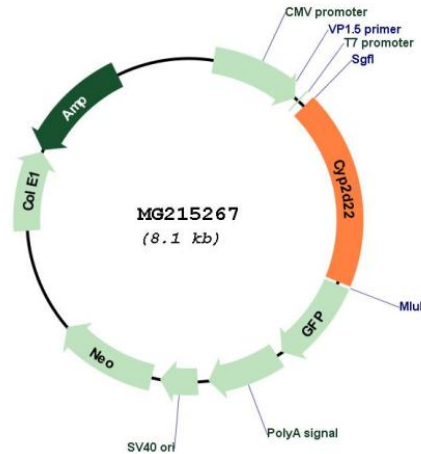
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_019823

ORF Size: 1500 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:

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_019823.2](#)

RefSeq Size: 2782 bp

RefSeq ORF: 1503 bp

Locus ID: 56448

Cytogenetics: 15 E1