

Product datasheet for **RG205591**

Cyclin M3 (CNNM3) (NM_017623) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin M3 (CNNM3) (NM_017623) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyclin M3
Synonyms:	ACDP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG205591 representing NM_017623
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCGGCGGCGGTAGCTGCGGCGGGTCGGTTAGGCTGGTTGTTGCGCGCGCTCTGCCTGGGCAACGCCG
 CGGGGAGGCGCGCGCGGCCCGCGAGTCTGGGCTTCTGCCTGGAGGAGGATGGAGCGGCGGGCGCGGG
 TTGGGTACGCGGAGGGCGGCGCGGGACACGCCGACGCCACCTTCTCTGCGCCTCTTCGGCCCGGGC
 TTCGCCAACAGCTCTTGGTCTGGGTGGCCCCGAGGGGCGGGCTGCCGGGAGGAGCGGCCTCCCCCG
 CGGGCGAGTGGCGCGCGCTGCTGCGCTTTCGCGCTGCGGGCCGAGGCCGTGCGCCCGCACTCGGCGCTGCT
 GGCGGTGCGCGTGGAGCCGGGTGGCGGGCGGCTGAGGAGGCGGCGCGCCCTGGGCTCTGGGCTGGGG
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 TGGTGGGAGAGGTGGTGCCGGCCGCGTGAGCGGGCGCTGGACGCTGGCGCTGGCGCCGCGAGCGCTCGG
 CCTCAGCCGCTGGCGCTCTGCTCACTCTGCCGTCGCGCTGCCCGTGGGGCAGCTGCTGGAGCTGGCG
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 CAAGCTGGACGCTGTCTGGAGGAATTCAAGCGAGGGAAGTCCACCTGGCCATCGTGCAGAAGGTGAAC
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 CCGCCATGACCTGCAGCCGACCCAGGTGACGGCACGATTATCTGCGTATTGTCCCGACTACACCGTG
 AGGGCGCTCTCTGATCTGCAGCTCATCAAGTTACGCGACTGCAGTACCTCAATGCACTCCTGGTACCC
 GAGCCCAGAACCTGCCACAGTCCCTGAGAACACCGACCTGCAGGTTATTCCAGGCAGCCAGACAGGCT
 CCTTGGTGAGAAGACCACACAGCGCAGGGTCCAGCCACAGCAGGCCCGGCGTCCCGGTGGAAGGCAGC
 CTTGGGCGGAACCCAGGCGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

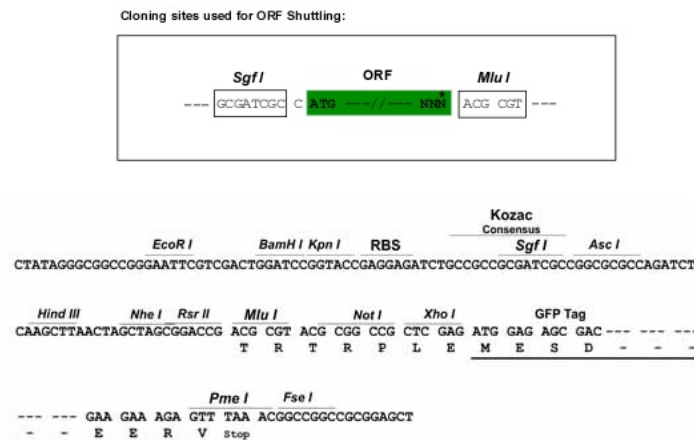
Protein Sequence: >RG205591 representing NM_017623
 Red=Cloning site Green=Tags(s)

MAAAVAAAGRLGWLFAALCLGNAAGEAAPGPRVLGFCLEEDGAAGAGWVRGGAARDTPDATFLLRLFGPG
 FANSSWSWVAPEGAGCREEAASPAGWRALLRLRLRAEAVRPHSALLAVRVEPGGAAEEAAPWALGLG
 AAGLLALAALARGLQLSALALAPAEVQVLRSESGEAERAAARRLEPARRWAGCALGALLLASLAQAALA
 VLLYRAAGQRAVPAVLGSAGLVFLVGEVPAAVSGRWTALAPRALGLSRLAVLLTLPVALPVGQLELELA
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 NEGEGDPFYEVLGLVTLEDVIEEIRSEILDESEDYRDTVVKRKPASLMAPLKRKEEFSLFKVSDDEYKV
 TISPQLLLATQRFLSREVDVFSPLRISEKVLHLLKHPSVNQEVRFDESRLATHHYLYQRSQPVDFYIL
 ILQGRVEVEIGKEGLKFENGAFYYGVSAITVSSVHQSPVSSLQPIRHDLQPDGPGDTHSSAYCPDYTV
 RALSDLQLIKVTRLQYLNALLATRAQNLPQSPENTDLQVIPGSQTRLLGEKTTTAAGSSHSRPGVPVEGS
 PGRNPGV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017623

ORF Size: 2121 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_017623.5](#)

RefSeq Size: 4916 bp

RefSeq ORF: 2124 bp

Locus ID: 26505

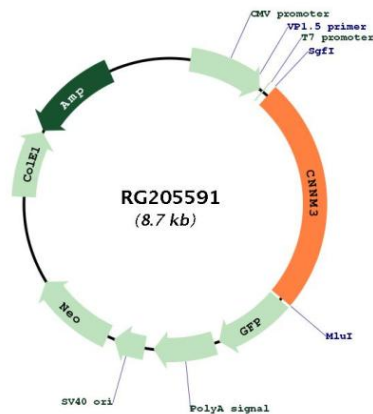
UniProt ID: [Q8NE01](#)

Cytogenetics: 2q11.2

Protein Families: Transcription Factors, Transmembrane

Gene Summary: Probable metal transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205591