

Product datasheet for **RG202962**

MGC12965 (NM_198519) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MGC12965 (NM_198519) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MGC12965
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202962 representing NM_198519 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCACCATATATGACCTGAAGAAACAGAAGGATAAACTGTTGAAGTTTTATGCTGAAAGTGATGAGC
AGATATTAATGAAAAATAGAAAAACACTTCATAAAGCTAAAAATGAAGATCTTGATCGTGTATTGAAAGA
GTGGATCCGTCAGCGTCGCAGTGAACACATGCCACTTAATGGTATGCTGATCATGAAACAAGCAAAGATA
TATCACAATGAACTAAAAATTGAGGGGAAGCTGTGAATATCAACAGGCTGGTTGCAGAAAATTTAAGAAAA
GACATGGCATTAAATTTTTAAAGACTTGTGGCAATAAAGCATCTGCTGGTCATGAAGCAACAGAGAAGTT
TACTGGCAAGTTCAGTAATGATGATGAACAAGATGGTAACCTTTGAAGATTTCAGTATGTCAAGTGAGAAA
AAAATAATGTCTGACCTCCTTACATATACAAAAATATACATCCAGAGACTGTCAGTAAGCTGGAAGAAG
AGGATATCAAAGATGTTTTTAACAGTAATAATGAGGCTCCAGTTGTTTCATTGTTCAATGGTGAAGT
AACAAAAATGGTTCTGAATCAAGATGATCATGATGATAATGATAATGAAGATGATGTTAACACTGCAGAA
AAAGTGCCTATAGACGACATGGTAAAAATGTGTGATGGGCTTATTAAGGACTAGAGCAGCATGCATTCA
TAACAGAGCAAGAAATCATGTCAGTTTAAAAATCAAAGAGAGACTTCTAAGACAAAAAGCATCATTAA
GAGGCAGATGACTCTGAAAGAAACATTTAAAAAGCCATCCAGAGGAATGCTTCTTCTCTACAGGAC
CCACTTCTGGTCCCTCAACTGCTTCTGATGCTTCTTCTCACCTAAAAATAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG202962 representing NM_198519
 Red=Cloning site Green=Tags(s)

MTTIYDLKKQKDKLLKFYAESDEQILMKNRKTLLHKAKNEDLDRVLKEWIRQRSEHMPLNGMLIMKQAKI
 YHNELKIEGNCEYSTGWLQKFKKRHGIFLKTGKASAGHEATEKFTGKFSNDDEQDGNFEGFSMSSEK
 KIMSDLLTYTKNIHPETVSKLEEDIKDVFNSNNEAPVVHSLNGEVTKMVLNQDDHDDNDNEDDVNTAE
 KVPIDDMVKMCDGLIKGLEQHAFITEQEIMSVYKIKERLLRQKASLMRQMTLKETFFKKAIQRNASSLQD
 PLLGPSTASDASSHLKIK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198519

ORF Size: 894 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_198519.1](#), [NP_940921.1](#)

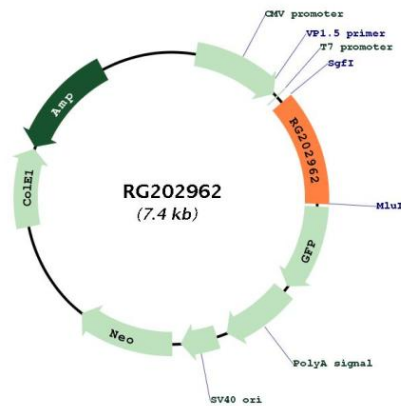
RefSeq Size: 2145 bp

RefSeq ORF: 896 bp

Locus ID: 374408

Cytogenetics: 11q13.4

Product images:



Circular map for RG202962