

## Product datasheet for **MG216665**

### **Glb1l3 (NM\_001113323) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Glb1l3
<b>Synonyms:</b>	4921509F24Rik
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG216665 representing NM\_001113323  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCCATCTTCTCTGCCAACTGTCCTATCGGGTTTGTCTCTCACTCAGAGGAGGTGTTAAGTCTC  
 CTGCCAGGTTCACTGGTCTAATCTGACCCCGTCAGAGCTGAAGAACAGATTTGTAGGGCTTAGCACTAA  
 AACCAATGCTCTGGGTAAGCATACTTCACCCTGGAAGGTCACAAATTCATGATCGTTGGAGGCTCCATA  
 CACTACTCCGGGTGCCAGGGAGTATTGGAAGGACCGCTTGTGAAGCTGCAGGCCTGTGGATTCAACA  
 CTGTCACTACCTACATCCATGGAACCTCCATGAGCAAGAGAGGGGAAATTTGACTTCTCTGAAATCCT  
 GGACCTGGAGGCCTATGTTTTGCTTAAAGACTATTGGGCTGTGGGTGATTCTTCGACCAGGGCCATAC  
 ATCTGTGCTGAGGTTGACCTGGGTGGATTACCTAGCTGGCTTCTGCGCAATCCTGTGACAGATCTGAGAA  
 CAACCAACAAGGGCTTTATTGAGGCTGTCGATAAGTATTTTGTATCATCTGATTCCCAAATACTTCTCT  
 CCAGTACCGCCATGGTGTCTGTTATTGCTGTCCAAGTAGAGAATGAATATGGTTCATTTCAAAGGAT  
 AGGAACTACATGAATTACTTGAAGAAGGCTTTGCTGAAGAGAGGGATTGTAGAGCTCCTCTTGACCTCAG  
 ATGATAAGGATGGAATTCAGATCGGCTCTGTCAATGGAGCATTGACAACTATCAATATGAATTCATTTAC  
 TAAGGATTCCTTTAATGCTTCAAAAATGCAGAGTGATAAGCCATTATGATTATGGAATACTGGACT  
 GGCTGGTATGACTCGTGGGGAGTAAACACATTGAGAAAAGTGCAGAAGAAATTCGACACACAGTATATA  
 AATTCATCAGCTATGGACTCTCTTTCAACATGTATATGTTCCACGGTGGAAACCAACTTTGGTTTCAAAA  
 TGGAGGCCGCTATGAAAATCATCACATCAGTGTGTGACTAGCTACGACTATGATGCTGTGCTGTGCTGAG  
 GCTGGCGATTACACAGAGAAGTATTCAAGCTTCGAAACTCTTTCATCTGGTTCAGCACGCTCCTCTGC  
 CTCCATTGCCTCCTCATCCCAAGGCTATCTATCCCTCTGTGAATCTCTCATTCTACCTGCCTCTGTT  
 TGATATTCTACCATACTTAAATCAGCCCGTCATGTACACACTCCAGTACCATGGAGAATCTTCCAATA  
 AACACCGCAGTGGTCAACATTTGGCCTGGTCTTTATGAGACTTCCATCTGTTCTGGAGGCGACTCTCT  
 TTGCTTCAGTTCATGATTACAGCACAGGTGTTTTTGAATGACCAAAGTATAGGAATTCGGATGAGAATCA  
 TGAGGTTCTGCAAATTCCTAAAATCCAGGGTGTGACGCTTCGAGGATCCTGGTTGAGAATCAAGGGCGA  
 ATCAATTAATCATGGAGAATTCAAAAGTGAAGCAGAAAGGATTAAGGAAGTGGTTAGCATCGATGGCCTTT  
 TGCTGACGAATTTTACCATCTATTCTCTGACATGAAGATGAGTTTCTTCAAGAGGCTCCGCTCTGCATC  
 CTGGAGACTTGCTCAAAGACTTATAACGGCCCTGCCTTCTACTGGGGAATCTTGAATGCTGGCTCTTCT  
 CCCACAGACACCTTCTGCACCTACCAAATGGCATTATGGATTTGTGTTCAATGGACGCAATCTTG  
 GAAGATATTGGGACATTGGACCTCAAAGAACACTGTACCTTCTGGTCCCTGGCTTCATCCAGAAGACAA  
 TGAGGTTATCGTGTGTTGAGAAGATAGAGAAGGTTTTGACATCCAGACAAGAAAGAAACCCAGCTGCAA  
 GAGTGTACGAAACAGGATCTGGATTGCCGGATGCTGCTGGTATGCTGATCCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG216665 representing NM\_001113323  
 Red=Cloning site Green=Tags(s)

MAIFFLPTVLSGFAPHSEEVFKSPARFSWSNLTPSELKNRFVGLSTKTNALGKAYFTLEGHKFMIVGGSI  
 HYFRVPREYWKDRLLKLQACGFNTVTYIPWNLHEQERKFDSEILDLEAYVLLAKTIGLWVILRPGPY  
 ICAEVDLGGLPWLLRNPVTDLRTTNKGFIEAVDKYFDHLIPKILPLQYRHGGPVIAVQVENEYGSFQKD  
 RNYMNYLKKALLKRGIVELLLTSDDKDGIQIGSVNGALTTINMNSFTKDSFIKHKMQSDKPIIMIMEYWT  
 GWYDSWGSKHIEKSAEEIRHTVYKFI SYGLSFNMYMFHGGTNFGFINGGRYENHHISVVTSYDYDAVLSE  
 AGDYTEKYFKLRKLFASGSARPLPPLPPLPKAIYPSVNL SFYLPFLFDILPYLNQPVMLHTPVTMENLPI  
 NNGSGQPFLVLYETSICSGSLSFASVHDSAQVFLNDQSIGILDENHEVLQIPKIQQCQLLRILVENQGR  
 INYSWRIQSEQKGLKEVVSIDGLLLTNFTIYSLDMKMSFFKRLRSASWRLAPKTYNGPAFYWGILNAGSS  
 PTDTFLHLPNWHYGFVFINGRNLGRYWDIGPQRTLYLPGPWLHPEDNEVIVFEKIEKGFDIQTRKKPQLQ  
 ECYETGSGLPDAAGDADPC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



**ACCN:** NM\_001113323

**ORF Size:** 1947 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:**

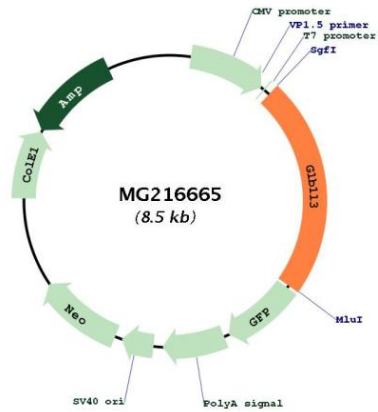
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001113323.1](#), [NP\\_001106794.1](#)

RefSeq Size: 2465 bp  
 RefSeq ORF: 1989 bp  
 Locus ID: 70893  
 UniProt ID: [A2RSQ1](#)  
 Cytogenetics: 9 A4

**Product images:**



Circular map for MG216665