

Product datasheet for **MG206350**

Glmp (NM_020003) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glmp (NM_020003) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Glmp
Synonyms:	0610031J06Rik; AB027141; NCU-G1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206350 representing NM_020003 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCGCTGTTGGGGACCTCACTGGGGCTGGGTCCCCTGTGCCCTACCCATGGCTCCTTTGAGTC
TACTTGTGTGTTCACTCCATTTGGCCTGCAGGGAGAAGAGACTCGCCAGGTATCTATGGAGTTATTTTC
CGGCTGGCCAAATCCACAGAACCTGCTTCATATTCGGGCAGTGGGCAGCAACTCCACCCTGCACTATGTG
TGGAGCAGCCTGGGGCCTCCAGCTGTGGTCTGGTGGCCACTAACACCACTCAGAGTGCCTGAGTGTCA
ACTGGAGTCTCCTGCTGTCTCCGATCCTGCTGGGGCCCTGATGGTGTCTCCCAAGAGCAGCATACAGTT
TTCTTCTGCTCTCGTCTTCAACGAGCTGCTTGAGTTTGACAGCACCAATGCGTCCGAGGGGGCACAGCCT
CCAGGAAAGCCATACCCTCCGTACTCCTTGCCCAAGTTCTCCTGGAACAATATCACCAACTCATTGGATC
TTGCCAACCTGAGTGCCGATTTTCAAGGCCGCCCTGTAGATGATCCTACTGGAGCATTGCGCAATGGCAG
CCTGACCTTCAAGGTCCAAGCCTTTTCTAGATCTGGTCGACCTGCTCAGCCCCCTCGCCTCCTGCACACA
GCAGATGTCTGCCAGTTAGAAGTGGCCCTGTTGGAGCTTCTCCTCGTGGAAACCATTCCCTATTTGGTC
TAGAGGTAGCCACCTTGGGACAGGGCCCTGACTGCCCCCTCAGTGAACGAACGGAACCTCCATCGATGATGA
ATATGCACCTGCCGTCTTCCAGCTGAACAGCTGTTATGGGGCTCTTCTCCATCTGGCTTCATGCAATGG
CGACCAGTGGCTTTCTCTGAGGAGGAGCGGGCCGAGAATCAGCCCTCCCCTGCCAGGCTTCCACTCTTC
ACTCCACCTTGGCATCTTCTCTCCCTCATTACCAATTGTTCAAGCCTTCTTCGGGTCCCAGAACCACTT
CTGTGCCCTTCAATCTGACCTTTGGGGCTCCACGGGCCCTGGCTACTGGGACCAATACTACCTTTGCTGG
TCAATGCTTCTGGGCATGGGCTTCCCTCCGGTGGATATCTTCTCTCCACTAGTCTCGGAATCATGGCGG
TAGCCCTGGGAGCCCCAGGACTCATGTTCTGGGGGAGGCCTATTTCTGCTGCTGCGCCACAGGCGGTA
TTCTGAGTACCAGTCCATAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206350 representing NM_020003
 Red=Cloning site Green=Tags(s)

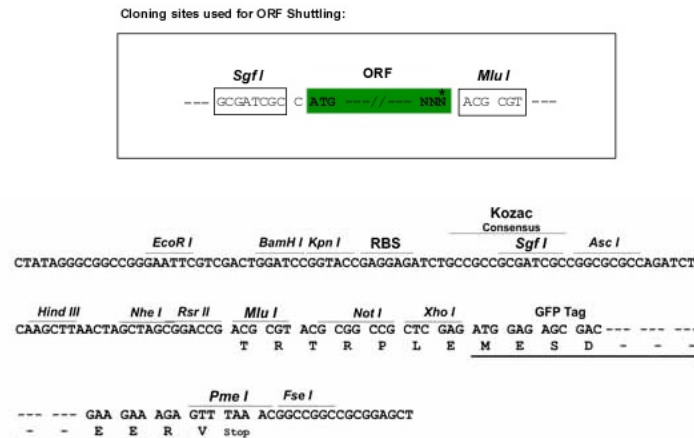
MFRCWGPHWGWPVCAPTPWLLLSLLVCSAPFGLQGEETRQVSMEVISGWPNPQNLLHIRAVGSNSTLHYV
 WSSLGPPAVVLVATNTTQSVLSVNWSLLSPDPAGALMVLPKSSIQFSSALVFTRLLEFDSTNASEGAQP
 PGKPYPPYSLAKFSWNNITNSLDLANLSADFQGRPVDDPTGAFANGSLTFKVQAFSRSGRPAQPPRLHT
 ADVQCLEVALVGASPRGNHSLFGLLEVATLGQGPDCPSVNERNSIDDEYAPAVFQLNQLLWGSSPSGFMQW
 RPVAFSEEEERAREALPCQASTLHSTLASSLPHSPIVQAFFGSQNNFCANLTFGAPTGPYWDQYYLCW
 SMLLGMGFPPVDIFSPLVLGIMAVLALGAPGLMFLGGGLFLLLRHRRYSEYQSIN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_020003

ORF Size: 1212 bp

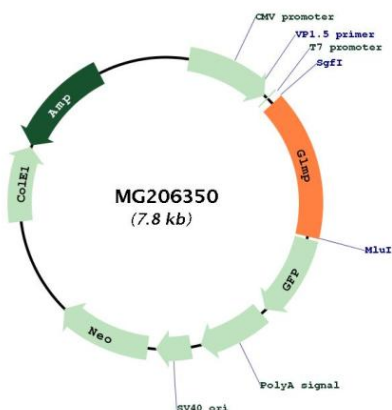
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_020003.1, NP_064387.1</u>
RefSeq Size:	1557 bp
RefSeq ORF:	1215 bp
Locus ID:	56700
UniProt ID:	<u>Q9JHJ3</u>
Cytogenetics:	3 F1
Gene Summary:	Required to protect lysosomal transporter MFSD1 from lysosomal proteolysis and for MFSD1 lysosomal localization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206350