

Product datasheet for **MG206677**

Gmppa (BC008116) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gmppa (BC008116) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gmppa
Synonyms:	1810012N01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206677 representing BC008116 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAAAGCTGTGATTCTCATTGGAGGCCCCAGAAGGGGACTCGTTTCAGGCCTTTGTCTTTGAGG
TGCCCAAACCTCTGTTTCTGTGGCAGGCGTTCCCATGATCCAGCACCATATAGAAGCCTGTGCCAGGT
CCCAGGGATGCAGGAGATTCTTCTATTGGCTTACCAGCCTGATGAGGCCCTCACCCAGTTCTCTGGAA
GCTGCCACGAGGAGTTAACCTTCCAGTCAGGTACCTGCAGGAGTTGCCCCCTCGGCACAGGGGGTG
GCCTCTACCATTTTCGGGACCAGATCCTGGCTGGGGCACCTGAGGCCTTCTTCGTGCTCAATGCTGACGT
CTGCTCTGACTTCCCCTTGAGCGCCATGTTGGAGGCTCACAGGCCAGCGCCACCCTTTCTTACTCCTT
GGCACCACGGCTAACAGGACACAATCCCTCAACTACGGCTGCATCGTTGAGAATCCACAGACTCATGAGG
TTCTGCACTATGTGGAGAAACCCAGCACCTTTATCAGTGACATCAACTGTGGCATCTACCTTTTCTC
CCCAGAAGCCCTGAAGCCTCTCCGGGATGTTTTCCAGCGTAACCAACAGGATGGGCAACTGGAGGAGTCC
CCAGGCTCGTGGCCTGGCGCAGGGACCATCCGACTAGAACAGGACGTGTTCTCAGCCCTGGCTGGCAGG
GCCAAATCTACGTGCACCTCACCGATGGTATCTGGAGCCAGATCAAGTCTGCAGGCTCAGCCCTTATGC
CTCCCCTCTATCTGGGGCGATACCAGATCACTCACCCAGAACGGCTAGCCAGACACACTCCAGGGGGC
CCACGCATCAGAGGAAATGTTTACATCCATCCAACCGCTAAAGTGGCCCATCAGCTGTGCTGGGCCCA
ATGTCTCCATTGGGAAGGGGGTGACCATAGGCGAGGGGTGCGTCTGCGAGAGAGCATTGTCTCCATGG
AGCCACTTTGCAGGAACACACCTGCGTCTTACAGCATTGTGGGCTGGGGGAGCACTGTGGGGCGCTGG
GCCCGTGTAGAGGGGACTCCCAATGACCCCAATCCGAATGACCCCGAGCTCGCATGGACAGTGAGAGCC
TCTTCAAAGATGGAAAGCTGCTTCTGCCATCACTATCCTGGGCTGCCGTGTTCCGATCCCTGCCAGGT
GCTCATCTTGAAGCTCGATTGTTCTACCACATAAGGAGCTAAGTCGAAGCTTACCAACCAATCATCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206677 representing BC008116
 Red=Cloning site Green=Tags(s)

MLKAVILIGGPQKGRFRPLSFEVPKPLFPVAGVPMIQHHIEACAQVPGMQEILLIGFYQPDEALTQFLE
 AAQQEFNLPVRYLQEFAPLGTGGGLYHFRDQILAGAPEAFFVLNADVCSDFPLSAMLEAHRQRHPFLLL
 GTTANRTQSLNYGCIVENPQTHEVLHYVEKPSTFISDIINCGIYLF SPEALKPLRDVFORNQDGGQLEES
 PGSWPGAGTIRLEQDVF SALAGQGQIYVHLTDGIWSQIKSAGSALYASRLYLGRYQITHPERLARHTPPG
 PRIRGNVYIHPTAKVAPSAVLGNVSIKGVTTIGEGVRLRESIVLHGATLQEHTCVLHSIVGWGSTVGRW
 ARVEGTPNDPNDRARMDSESLFKDGKLLPATILGCRVRIPA EVLILNSIVLPHKELSR SFTNQIIL

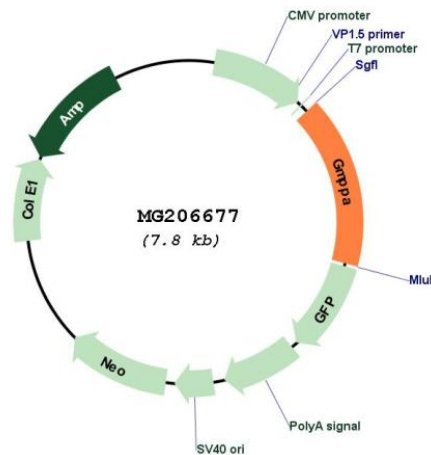
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC008116

ORF Size:	1262 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:	<ol style="list-style-type: none">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:	BC008116 , AAH08116
RefSeq Size:	1500 bp
RefSeq ORF:	1262 bp
Locus ID:	69080
Cytogenetics:	1 C4
Gene Summary:	May serve as a regulatory subunit and allow allosteric feedback inhibition of GMPPB by GDP-mannose.[UniProtKB/Swiss-Prot Function]