

Product datasheet for **MG211349**

Gmip (NM_198101) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gmip (NM_198101) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gmip
Synonyms:	5031419I10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG211349 representing NM_198101
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCAGCGGAGACAGAGCTAACCCAGCTCCTGAGGGCAGGAAGAGATACAGTGACATCTTCCAGA
 GCCTGGACAACCTCGAGATATCATTGGGGAACGTAACCTTTGATCCCCTGGCTGGAGACCCTGTACGCAG
 AGAAGACCTGGAGCCTGACAAAGCTGACACAGCCACAGTGGTGACTGAGGAGAACAGTGAAGCCAGTAGT
 TGGCGGGATCTCTCCCCAGAAGGTCTGCACCCCTCACAGAGGAAGAAGTGGATTTGCGACTCATTCCGGA
 CCAAGGGTGGTGTAGATGCTGCCCTGGAGTATGCTAAAGCATGGAGCCGCTATGCCAAGGAACTGCTGGC
 CTGGACAGACAAGAGAGCCAACTACGAGCTCGAGTTTGTCTAAGAGTATCATGAAGCTCGCTGAGGCTGGC
 AAGGTGTCCATTCTCCAGCAGAGCCAAATGCCACTCCAGTACATCTACACCTGTTTCTGGAGCATGACC
 TCAGCCTGGGAGCCCTGGCCCTGGAGACAGTGGCCCAACAGAAGAGAGACTACTACCAGCCTCTGGCGGC
 CAAAAGGATGGAATTGAGAAGTGGAGGAAGGAATTCAAGGAACAGTGGCTGAAGGAGCAGAAGCGCATG
 AATGAGGCAGTGCAGGCACTGCGGCGCTCCGAGCTCCAGTACATTCAACGCAGAGAGGACCTGAGGGCAC
 GCTCCCAGGGTCCCCTGAGGACCTCCTTCCCAGGCATCTCTGGATCCAACAAGCAACAGGAGCGCAG
 ACGGCGCTCCCGAGAGGAGGCACAGGCCAAGGCGCATGAGGCGGAGGCTCTGTACCAGGCCCTGTGTCGG
 GAGGCCAATTCTCGCCAGCAGGATCTGGAGACCACCAAGCGGCGGATAGTGTACATGTGCGCAAGCTGG
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 GAGTTTGTTCGGACTGCAGCCTGGGGCCCCACCGCCCATCTCCGCCCTTCTGCTTCCAGGATTCA
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 GATCCCCTGGTCCCCTTCCACTTGTACGACGCCTTTCATCTCTCTGGCAAAGACCCTGCATGCAGACCCTG
 GGGACGACCCTGGGACCCCAACCCAGCCCTGAGATTATTCGCTCGCTGAAGACCCTCTTGGTGCAGCT
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 GAAAACAAGATGTCTGCCAACAATCTGGGAATTGTATTTGGGCCTACACTGCTGCGGCCACCAGATGGAC
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 CCTCATTTGTCACTATGAGCAGATCTTTGGAATGGATGAGTCCCTCTGGCCTCGGAGCCTTGCACCAA
 GACCCTGGCTTGCTCCTGCATGCCTTGAATCCAGTCCCCAGCACCCAGCCTCACTTCTTGCCCAAGACA
 CACAGCCCTGACCATAGCCTTGGATTCCAGCCAGACCCCAAACACCACAGTGCCTTGGAGAAGTGCC
 CGAGGTCACACCTCCTGAGCTTGAACCTCTGCAGAGGGACCAGAGGGAGGAGGAGGTGGAAGACACCAGA
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 GTACGAGGTTTGGGCCCTGCTGTGCTGCCCTGAAGGCAGCCCTGCGCCGGAACCCTCTGCCAAGC
 ACTTTGAGATCACCCAGGAGACAGCCGACTTCTCTCAAGCTGAACAGTGTGCTGTGTCAGGACCAC
 CTGTTGTGCTGACCCAGAGCCTGAGGAGTCTGAAGAGCACCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211349 representing NM_198101
 Red=Cloning site Green=Tags(s)

MDSAETELTPAPEGRKRYSDIFQSLDNLEISLGNVTFDPLAGDPVRRDLEPKADTATVVTEENSEASS
 WRDLSPEGPAPL TEEELDLRL IRTKGGVDAALEYAKAWSRYAKELLAWTDKRANYELFAKSIMKLAEAG
 KVSILQQSQMPLQYIYTLFLEHDL SLGALALEVAQQKRDYYQPLAAKRMEIEKWRKEFKEQWLKEQKRM
 NEAVQALRRSELQYIQRREDLRARSQGSPEPPSQASPGSNKQQERRRRSREEAQAKAHEAEALYQACVR
 EANSRQQDLETTKRRIVSHVRKLV LQGDEVLRVTLGLFELRGAQAERGPRFSALAECCVPFEPGQRYQ
 E FVRTLQPGAPPPSPAFQCFQEF TAVVHSFPQDTKKKFSGPLPPRLEEESPEPGPWEVASLGSQGI PGS
 DVDSVGGGSESRLSDSPTSSPGAGARRLVKASSTGTESSDDFEERDPDLGDGIENGVGSPFRKWTLSTAA
 QTHRLRRLRGPACRECEAFMVGTECEECFL TCHKRCLETLLILCGHRRLPARMSLFGVDFLQLPRDFP
 EEVPFVITRCTAEIEHRALGLQGIYRVSGSRVVERLCQAFENGRALVELSGNSPHDITSVLKRFLQELT
 DPVVPFHLYDAFISLAKTLHADPGDDPGTPNPSPEIIRSLKTLVQLPDSNYSTLRHLVAHLFRVAARFE
 ENKMSANNL GIVFGPTLLRPPDGPRATGASPVACLLDSGHQAQLVEFLIVHYEQIFGMDELPLASEPLTQ
 DPGLAPACLESSPQHPASLLAQDTQPLTIALDSSPDPKHHSALEKCEVTPPELATLQRDQREEEVEDTR
 DGAGDGSSHCPEDLALGAQSRGHFSRQPVKYSRGGVPRVTHQLSSLALVASKLCEETPVTVSAVHRGSLR
 VRGLGPA AACPEGSPLRRNPLPKHFEITQETARLLSKLNSDAVSRTTCCADPEPEESEHL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

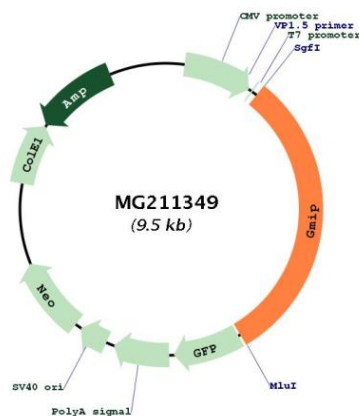
Cloning Scheme:



ACCN: NM_198101

ORF Size: 2913 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:	<u>NM_198101.1, NP_932769.1</u>
RefSeq Size:	3945 bp
RefSeq ORF:	2916 bp
Locus ID:	78816
UniProt ID:	<u>Q6PGG2</u>
Cytogenetics:	8 B3.3
Gene Summary:	Stimulates, in vitro and in vivo, the GTPase activity of RhoA.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MG211349