

Product datasheet for **MG205742**

Gmids (NM_146041) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gmids (NM_146041) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gmids
Synonyms:	BC031788; C87208
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205742 representing NM_146041 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAAGCTCCCCTAAGTGCCCGAGCTACCCGGGCTCCGGGGATGGCGAGATGGGCAAGCTCAGGA
AGGTGGCTCTCACTGGCATACCGGACAGGATGGTTCGACTTGGCAGAATTCCTGTTGGAGAAAGG
GTACGAGGTCCATGGAATAGTACGGCGATCTAGTTCATTAATACAGGTCGAATTGAACATTTATATAAG
AATCCTCAGGCTCATATTGAAGGAAACATGAAGTTCAGTATGGTGACCTCACTGACAGCACCTGCCTAG
TGAAAATCATCAATGAAGTCAAGCCTACAGAGATCTATAATCTTGAGCCAGAGCCATGTCAAGATCTC
CTTTGACTTAGCTGAGTACACCGCAGATGTTGATGGCGTTGGCACCTTGGGCTTCTGGATGCAATTA
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AGTCCAGAAGAGGAGCTAATTTGTTACTCGAAAAATAGCCGGTCAGTAGCTAAGATTTACCTTGGAC
AACTGGAATGTTTCAGCTTGGGAAATCTGGATGCCAACGAGACTGGGGCCATGCCAAGGACTATGTAGA
GGCTATGTGGCTCATGTTGCAGAATGATGAGCCAGAGGACTTTGTCATAGCTACTGGGGAAGTTCACAGT
GTCCGTGAATTTGTTGAAAAGTCATTCACACATCGAAAAACCATTGTGTGGGAGGAAAGAATGAAA
ATGAAGTGGCAGATGTAAGAGACCCGGCAAAGTTCACGTGACTGTGGATCTGAAATACTACCGACCGAC
TGAAGTGGACTTTCTGCAGGGAGACTGCTCCAAGGCTCAGCAGAAGCTAACTGGAAGCCCCCGTTGCC
TTTGACGAGCTGGTGAGGGAGATGGTGCAGGCCGACTGGAGCTCATGAGGACCAACCCCAACGCT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205742 representing NM_146041
Red=Cloning site Green=Tags(s)

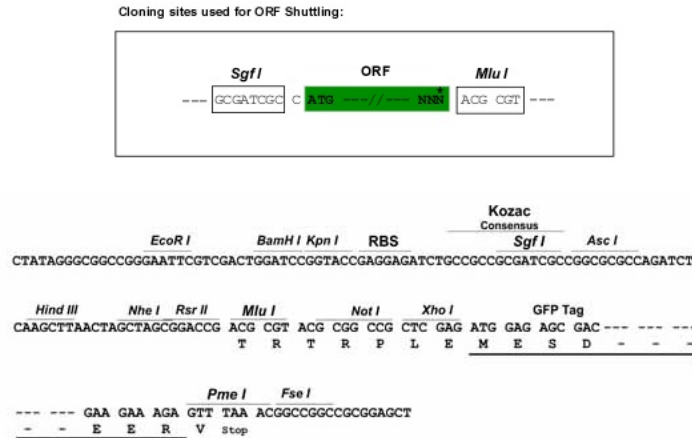
MAQAPAKCPSYPGSGDGEMGKLRKVALITGITGQDGSYLAEFLLKGYEVHGI VRRSSSFNTGRIEHL YK
 NPQAHIEGNMMLHYGDLTDSTCLVKIINEVKPTEIYNLGAQSHVKISFDLAEYTAADV DGVGTLRL LDAIK
 TCGLINSVKFYQASTSELYGKVQEI PQKETTFFYPRSPYGA AKLYAYWIVVNFREAYNLF AVNGILFNHE
 SPRRGANFVTRKISRVAKIYLGQLECFSLGNLDAKRDWGHAKDYVEAMWMLQNDPEDFVIATGEVHS
 VREFVEKSFMHIGKTI VWEKNEVEGRCKETGK VHVTVDLKYRPT EVDFLQGDCKSAQQLNWKPRVA
 FDELVREMVQADVLMRTNPNA

TRTRPLE - GFP Tag - V

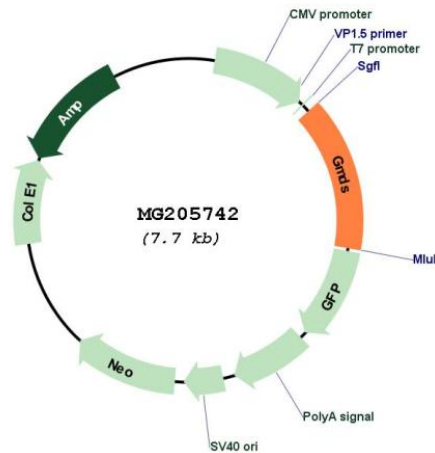
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_146041

ORF Size:	1116 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:	NM_146041.2 , NP_666153.1
RefSeq Size:	1510 bp
RefSeq ORF:	1119 bp
Locus ID:	218138
UniProt ID:	Q8K0C9
Cytogenetics:	13 A3.2
Gene Summary:	Catalyzes the conversion of GDP-D-mannose to GDP-4-dehydro-6-deoxy-D-mannose. [UniProtKB/Swiss-Prot Function]