

Product datasheet for **MG205299**

Gm128 (NM_001024841) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gm128
Synonyms:	Ment; pmisl
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG205299 representing NM_001024841
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGTCCCCGCGCTGCATGCTGCTCTGGGCCCTGCTGCTAAGTCTGGAGTACCGGGCGCGGGGGCCG
AAGACCAAACGACTACCCGACCGCTACCACGATTGGGATGCAGCGGGTCAGCTTCCGCTTTGGGGGCC
AGCCCGCAGCCTCCACAGCACAAACCCACCGCCGGACCACTGTACCGGGAAGCTGAGGGTAACCTG
GAGGATGAAAATGATGCCCTGGCCACTGCTGACCGCTGGCCCTCCCGGCAGCTGCTGAGCTCCTGTCCA
CCGTGACAGGCTATAGCCGGTCATCAGTGCCAGCCCACTGACTGGGAGGAGGATGGCTCCTTGGAAGA
GGGGGTGGTTGATACCAGAAAAACCAACGCGCCTGTAAGTTTATTTTCGACCACCAATACTGTGGGA
AGTTCCGGCACTACCGGAGGTTTCTAGCCAATAGCCAGGAGCGAGAGATTAAGCTGACCACTGACGTGC
GGTCCCTCAGTTCAAAGACTACTGTGGTGGACCTGTCTTCTGAGTCCACCCTGCAACAGTGGTCGACACC
CGGGTCCACCCCATCCCATGGCTAAAACCTCATTACAGCCATGCCATCTCTGAGGATCTGCGGGTA
GTAAGTATGCCTTGGGGCCCTTGGCATTGCCACTGTAAGTCAAGCACTATGAGTAGGAGCCGGGCTGGAA
AGCTGCATGGCCTTTCTGGGCGCCTTCGAGTTGGGGCACTGAATGAACTCCGCACAGAACACCGGCCTTG
CACCTACCAAGTTGTGCGCTTGCAACAGGCACCTGGAGGAATGCCCTCTGGAATCGAGCCTCTGTTCTGAC
CATAGCTGCAGCTCTCGTGCTCCCTTTTCAGAGCAGCACCACTTCTCTGGTTCTGTCCACCTGAGAGCGCA
GACCCATCCTGCCACCACTAGCCCGAGCCCGAGCCAGCTCTTGCTTTTGAAACGTGTGAGGATTGG
CCTGGAGGATATCTGGAACAGCCTTTCTCAGTGTTTCAGAGACTCAACCACTAGAAAGAATCCAGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG205299 representing NM_001024841
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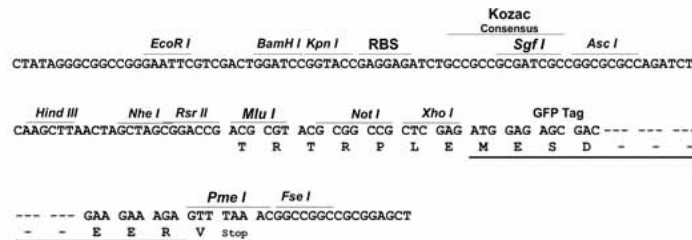
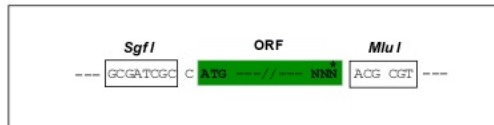
MVPAACMLLWALLLSLEYRAAGAEDQTTTPTATTIGMQRVSRFGGPARSLHSTNPTARTTVPGKLRVTL
EDENDALATADRLALPAAAEALLSTVTGYSRSPSPSDWEEDGSLEEGVVDTRKTNGPVSLFSTNTNVG
SSGTTGRFLANSQEREIKLTTDVRLSSKTTVVDLSSESTLQQWSTPGSTPSPWLKPSFTAMPSPEDLRV
VLMWPWGPWHCHCKSGTMSRSRAGKLHGLSGRLRVGALNELRTEHRPCTYQLCACNRHLEECPLDSSLCS
HSCSSRAPFQSSTTSLVPVHLRRRILPPTSPSPSPALAFWKVRVIGLEDIWNLSLVFTETQPVRIQR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001024841

ORF Size: 1050 bp

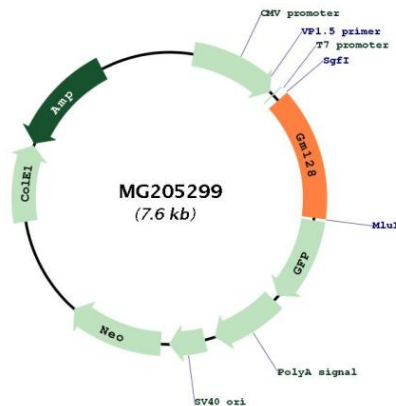
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_001024841.3</u> , <u>NP_001020012.1</u>
RefSeq Size:	1471 bp
RefSeq ORF:	1053 bp
Locus ID:	229588
UniProt ID:	<u>Q569E4</u>
Cytogenetics:	3 F2.1
Gene Summary:	Involved in control of cellular proliferation. Oncocogenic modifier contributing to the tumor suppressor function of DNMT3B.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205299