

Product datasheet for **MG204259**

Gsg1 (NM_010352) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsg1 (NM_010352) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gsg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204259 representing NM_010352 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTTCAGAAGGGTTCCTCTGACCAGCGGACCTTCATTTCTGCCATCCTCAACATGTTATCACTCG
GCCTCTCCACAGCATCCTTGCTCAGCAGCGAGTGGTTTGTGGGCACACAGAAGGTGCCAAGCCCTGTG
CGGGCAAAGTCTGGCAGCCAAGTGTCTTGACATGCCGATGTCCTTGGATGGGGGCATCGCCAACACATCA
GCCCAGGAGGTGGTACAATACACCTGGGAGACTGGGGATGACCGGTTCTCCTTCCCTTCCGTCAGTGC
GCATGTGGCTATCCTGTGAGGAAACCATGGAAGAGCCAGGGGAGAAGTGCAGACGTTTCATTGAATCAC
ACCACCAGCCCAGAGAGGTGAGAAAGGACTACTGGAATTTGCCACGTTGCAAGGCTCATGTCAACCCACT
CTCCGATTTGGAGGGAGTGGTTAATGGAGAAGGCTTCTCCTCCACCTCCCTTGGGGGCCCGTGGCAA
AGGTCTTTGGCTGTCACTGGGAGCCCAGACTGCCTATATCGGACTTCAACTCATCAGCTTCTCCTGCT
ACTGACGGATCTGTTGCTCACCACGAACCCTGGCTGTGGGCTCAAGCTAAGCGCTTTGCAGCCGTCTCC
TTGGTCTGTGAGGACTTCTGGGATGGTGGCTCATATGCTATATCACAAGTCTCCAGGCAACTGCCA
ACTTAGTCCGGAGGACTGGAGACCACACTCTTGAATTACGGCTGGGCCTTCTACACAGCGTGGGTTTC
CTTACCTGCTGCATGGCGTCAGCGGTACCACCTTCAACATGTACACGAGGATGGTCTGGAGTCAAG
TGCAGGCACAGCAAGAGCTTTAACCAACCCAGCTGCCTGGCGCAGCACCACCGCTGTTTCTTCTCCTC
CTCCGCTGACGTGCAACCCACGAGGGGAACCTTTGTCCAGCTGCCATCAGTACCCAGCCATCCCAT
CCGCTCTGCTCTGAAGCTATTGACCTTACTCGCGCTACAGGACAAAGAATTTCAACAAGGGATCAGC
CAGGAGCTAAAGGAAGTGGTCGAGCCATCTGTAGAAGAGCAGCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204259 representing NM_010352
 Red=Cloning site Green=Tags(s)

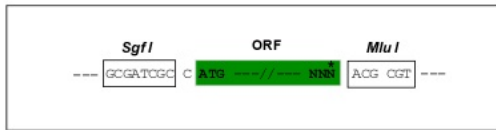
MEFQKSSDQRTFISAILNMLSLGLSTASLLSSEWVFGTQKVPKPLCGQSLAAKCFDMPMSLDGGIANTS
 AQEVVQYTWETGDDRFSLAFRSGMWLSCEETMEEPGEKCRRFIELTPPAQRGEKGLLEFATLQGSCHPT
 LRFGGEWLMEKASLLHLPWGPVAKVFWLSLGAQTAYIGLQLISFLLLLTDLTNPGCGLKLSAFAAVS
 LVL SGLLGMVAHMLYSQVFQATANLGPEDWRPHSWNYGWAFYTAWVSFTCCMASAVTTFNMYTRMVLEFK
 CRHSKSFNTNPSCLAQHRCFLPPFLTCTTHAGEPLSSCHQYPSHPIRSSEAIDLYSALQDKEFQQGIS
 QELKEVVEPSVEEQR

TRTRPLE - GFP Tag - V

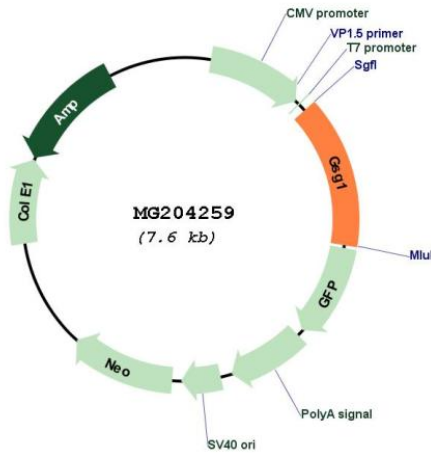
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_010352

ORF Size:	1098 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_010352.2 , NP_034482.2
RefSeq Size:	1448 bp
RefSeq ORF:	1098 bp
Locus ID:	14840
UniProt ID:	Q8R1W2
Cytogenetics:	6 66.07 cM
Gene Summary:	May cause the redistribution of PAPOLB from the cytosol to the endoplasmic reticulum. [UniProtKB/Swiss-Prot Function]