

Product datasheet for **MG202469**

Gstm2 (BC037068) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gstm2 (BC037068) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gstm2
Synonyms: Gstb-2; Gstb2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202469 representing BC037068
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTATGACACTAGGTTACTGGGACATCCGTGGGCTGGCTCACGCCATCCGCCTGCTCCTGGAATACA
CAGACACAAGCTATGAGGACAAGAAATACACCATGGGGGACGCTCCTGACTATGACCGAAGCCAGTGGCT
GAGTGAGAAGTTCAAGCTGGCCTGGACTTTCCCAATCTGCCCTACTTGATTGATGGATCACACAAGATC
ACCCAGAGCAATGCCATCCTGCGCTACCTTGCCGAAAGCACAACTGTGTGGAGAGACAGAGGAGGAGA
GGATTCGTGTGGACATTTGGAGAACCAGGCTATGGACACCCGCATACAGTTGGCCATGGTTTGCTACAG
CCCTGACTTTGAGAAAAAGAAGCCAGAGTACTTAGAGGGTCTCCCTGAGAAGATGAAGCTCTACTCTGAG
TTTCTGGCAAGCAGCCATGGTTTGACAGGAACAAGGTCACCTATGTGGATTTTCTGTGTTATGATGTCC
TTGATCAACACCGAATATTTGAGCCCAAGTGCCTGGATGCCTTCCCAAACCTGAAGGACTTCATGGGTGC
CTTTGAGGGCCTGAAGAAGATATCTGACTACATGAAGAGCAGCCGCTTCTCTCCAAGCCAATCTTTGCA
AAGATGGCCTTTTGAACCCAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202469 representing BC037068
Red=Cloning site Green=Tags(s)

MPMTLGYWDIRGLAHAIRLLLEYPDTSYEDKKYTMGDAPDYDRSQWLSEKFKLGLDFPNLPYLIDGSHKI
 TQSNAILRYLARKHNLCGETEEERIRVDILENQAMDTRIQLAMVCYSPDFEKKKPEYLEGLPEKMKLYSE
 FLGKQPFAGNKVTVYVDFLVYDVLQHRIFEPKCLDAFPNLKDFMGRFEGLKKISDYMKSSRFLSKPIFA
 KMAFWNPK

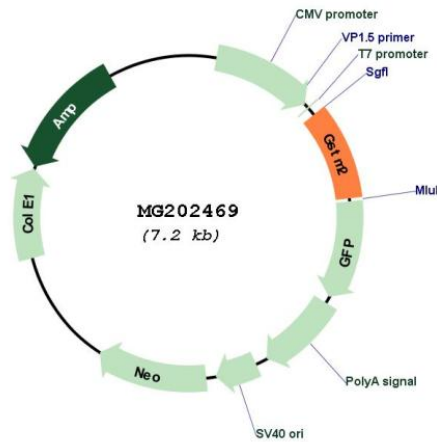
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC037068

ORF Size: 656 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:	BC037068 , AAH37068
RefSeq Size:	1145 bp
RefSeq ORF:	656 bp
Locus ID:	14863
Cytogenetics:	3 F2.3
Gene Summary:	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.[UniProtKB/Swiss-Prot Function]