

Product datasheet for **MG202804**

Gstm6 (NM_008184) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Gstm6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG202804 representing NM_008184
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCCGTACTCTGGTTATTGGGATATCCGTGGACTGGGTCACGCCATCCGCCTGCTCCTGGAATACA
CAGAAACAGGCTATGAAGAGAAGAGATACCCATGGGGACGCTCCTGACTATGACAGAAGCCAGTGGCT
GAATGACAAGTTCAAGCTGGACCTGGACTTCCCAATCTGCCCTACTTAATTGATGGGTCACACAAGGTC
ACCCAGAGCAATGCCATCCTGCGCTACCTTGGCCGGAAGCACAACCTGTGTGGAGAGACAGAGGAGGAGA
GGATCCGTGTGGACATTTGGAGAAACAGGTCATGGACACTCGAATTCAGATGGGCATGCTTTGCTACAG
CGCTGACTTTGAGAAACGGAAGCCAGAGTCTTGAAGGGCTCCCAGATCAGCTGAAACTCTACTCGGAG
TTCCTGGGGAAGCAGCCATGGTTTGCAGGGGACAAGATCACCTTTGCAGACTTCTCGTCTATGATGTCC
TTGATCAGCATCGAATGTTGAACCCAGTGCCTGGACGCCTTCCCAAACCTGAAGGACTTCATGCCCCG
CTTTGAGGGCCTGAGGAAGATCTCTGCCTATATGAAGACCAGCCGCTTCTTCCAAGTCTGTGTACTTA
AAACAGGCCACGTGGGCAATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202804 representing NM_008184
Red=Cloning site Green=Tags(s)

MPVTLGYWDIRLGHAIIRLLLEYTETGYEEKRYAMGDAPDYDRSQWLNDKFKLDLDFPNLPYLIDGSHKY
TQSNAILRYLGRKHNLCGETEERIRVDILEKQVMDTRI QMGMLCYSADEFKRRKPEFLKGLPDQLKLYSE
FLGKQPWFAGDKITFADFLVYDVLQHRMFEPTCLDAFPNLKDFMARFEGLRKISAYMKTSRFLPSPVYL
KQATWGNE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_008184

ORF Size: 654 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: [NM_008184.4](#)

RefSeq Size: 1152 bp

RefSeq ORF: 657 bp

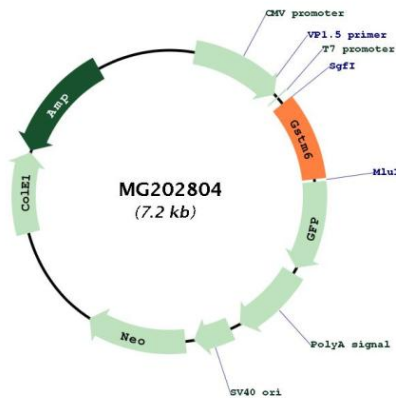
Locus ID: 14867

UniProt ID: [O35660](#)

Cytogenetics: 3 F2.3

Gene Summary: Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202804