

Product datasheet for **MG216119**

Gsta2 (NM_008182) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsta2 (NM_008182) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gsta2
Synonyms:	Gst2-2; Gstc-2; Gstc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216119 representing NM_008182 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGAAGCCCGTGCTTCACTACTTCAATGCCCGGGCAGAATGGAGTGCATCAGGTGGCTCCTGG
CTGCAGCAGGGGTGGAGTTTGAAGAGAAGTTTATACAGAGTCCGGAAGATTTGAAAAGCTAAAAAAGA
TGGGAATTTGATGTTGACCAAGTGCCCATGGTGGAGATTGATGGGATGAAGCTGGTGCAGACCAGAGCC
ATTCTCAACTACATCGCCACCAATATGACCTCTATGGGAAGGACATGAAGGAGAGGCCCTGATTGACA
TGTATACAGAAGTATTTAGATCTGACTGAAATGATTGGCAATTGGTATTATGTCCCCAGACCAAAG
AGAAGCCAAGACTGCCTTGGCAAAAGACAGGACCAAAAACCGTTACTTGCCTGCCTTTGAAAAGGTGTTG
AAGAGCCATGGACAAGACTACCTTGTGGCAACAGGCTGACCAGGGTGGACGTCCACCTGCTGGAAGTTC
TTCTCTATGTTGAAGAGCTTGATGCCAGCTTCTGACCCCTTTCCTCTGCTGAAGGCCTTCAAGAGCAG
AATCAGCAGCCTCCCAATGTGAAGAAGTTCCTACATCCTGGCAGCCAGAGAAAGCCTCCCTTGGATGCA
AAACAAATTGAAGAAGCAAGGAAGGTTTTCAAGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216119 representing NM_008182
 Red=Cloning site Green=Tags(s)

MAGKPVLYHYFNARGRMECIRWLLAAAGVEFEFKFIQSPEDLEKLLKKGDNLMFDQVPMVEIDGMKLVQTRA
 ILNYYIATKYDLYGKDMKERALIDMYTEGILDLETEMIGQLVLCPPDQREAKTALAKDRTKNRYLPFAFEKVL
 KSHGQDYLVGNRLTRVDVHLELLLLYVEELDASLLTPFPLLKAFKSRISLPLNVKFLHPGSQRKPPPLDA
 KQIEEARKVFKF

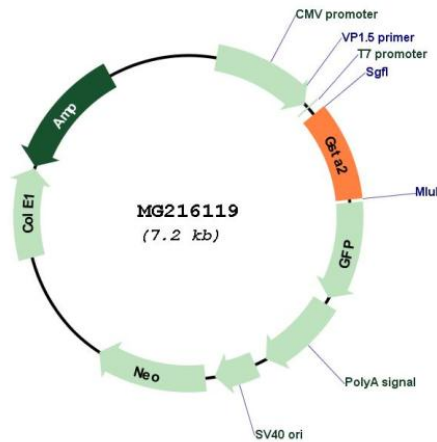
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008182

ORF Size: 666 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_008182.3 , NP_032208.2
RefSeq Size:	855 bp
RefSeq ORF:	669 bp
Locus ID:	14858
UniProt ID:	P10648
Cytogenetics:	9 43.65 cM
Gene Summary:	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.[UniProtKB/Swiss-Prot Function]