

Product datasheet for **MG202559**

Gsta4 (NM_010357) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsta4 (NM_010357) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gsta4
Synonyms:	GST5.7; mGsta4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202559 representing NM_010357 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCAAACCTAAGCTCTACTACTTTAATGGCAGGGGACGGATGGAGTCGATCCGCTGGCTGCTGG
CTGCGGCTGGAGTGGAGTTTGAGGAAGAATTTCTTGAGACAAGGGAACAGTATGAGAAGATGCAAAAGGA
TGGACACCTGCTTTTCGGCCAAGTACCCTTGGTTGAAATCGATGGGATGATGCTGACACAGACCAGGGCC
ATCCTCAGCTACCTCGTGCCAAGTACAACCTTGATGGGAAGGACCTGAAGGAGAGAGTCAGGATTGACA
TGTATGCAGATGGCACCAGGACCTGATGATGATGATTGCCGTGGCTCCATTTAAACCCCAAGGAAAA
AGAGGAGAGCTATGATTTGATACTGTCAAGAGCTAAAACCCGTTACTTCCAGTGTTTGAAAAGATTTTA
AAAGACCACGGAGAGGCTTTTCTCGTTGGCAACCAGCTCAGTTGGGCAGACATCCAGCTCCTAGAAGCCA
TTTTGATGGTGAAGAAGTCAAGTCCCCCTGTACTGTCCGACTTCCTCTGCTGCAGGCATTTAAGACAAG
AATCAGCAACATTCCTACAATTAAGAAGTTCCTGCAACCCGGAAGTCAGAGGAAGCCTCCTCCAGATGGC
CCCTATGTTGAGGTGGTCAGGACTGTCTGAAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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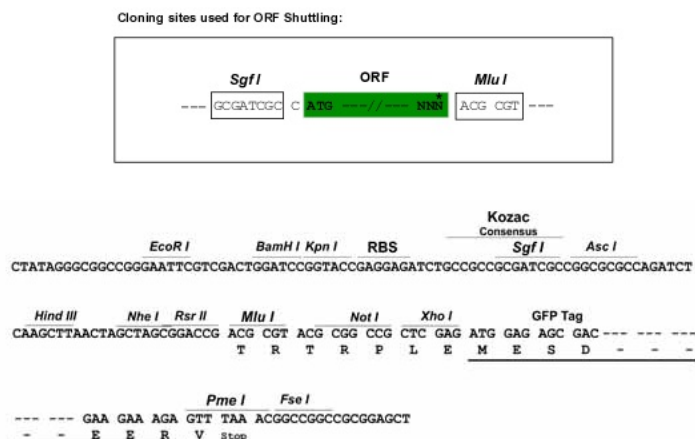
Protein Sequence: >MG202559 representing NM_010357
 Red=Cloning site Green=Tags(s)

MAAKPKLYYFNGRGRMESIRWLLAAAGVEFEFFLETRQYKMQKDGHLFFGQVPLVEIDGMMLTQTRA
 ILSYLAAYNLYGKDLKERVIRIDMYADGTQDLMMIAVAPFKTPKEEESYDLILSRAKTRYFPVFEEKIL
 KDHGEAFLVGNQLSWADIQLLEAILMVEELSAPVLSDFPLLQAFKTRISNIPTIKKFLQPGSQRKPPPDG
 PYVEVVRTVLKF

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010357

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:

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_010357.3](#)

RefSeq Size: 926 bp

RefSeq ORF: 669 bp

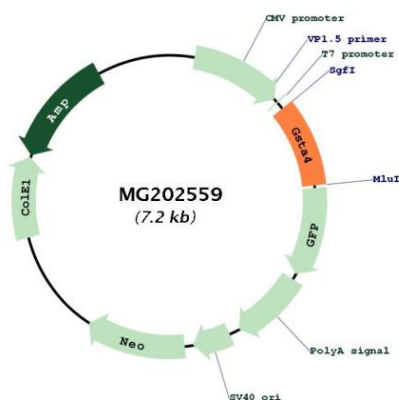
Locus ID: 14860

UniProt ID: [P24472](#)

Cytogenetics: 9 E1

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 MG202559