

## Product datasheet for **MG203011**

### **Gstt2 (NM\_010361) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gstt2 (NM_010361) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gstt2
Synonyms:	A1266894; mGSTT2; Yrs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203011 representing NM_010361 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCTTGGAGCTCTACCTGGACCTGCTGTCAACAACCCAGCCGCGTGTCTACATCTTCGCCAAGAAGA  
ATGGCATCCCCTCCAGACGCGTACCGTGGATATACTCAAAGGGCAGCACATGAGCGAGCAATTCTCCCA  
GGTGAAGTCTTAAACAAAGTTCCTGTACTCAAAGACGGAAGCTTCGTGTTGACCGAAAGCACAGCCATC  
TTGATTTACCTGAGTCCAAGTACCAGGTGGCAGACCACTGGTACCCGGCCGACCTACAGGCCCGTGCCC  
AAGTCCACGAATACCTGGGCTGGCATGCCGACAACATCCGTGGTACTTTCGGAGTGTCTATGGACCAA  
GGTGTGGGGCCACTCATTGGGGTCCAGGTTCCCCAGGAGAAGGTGGAACGGAACAGAGATAGAATGGTC  
CTGGTTCTGCAACAGCTGGAGGACAAGTTCCTCAGGGACAGGGCCTTCTTGTGGCCAGCAGGTGACGC  
TAGCGGATCTCATGTCTCTGGAGGAGTTGATGCAGCCCGTGGCTCTTGGCTATAACCTGTTTGAGGGACG  
GCCTCAGCTGACAGCATGGCGAGAGAGGGTGGAGGCGTTCTTGGGTGCTGAGCTGTGTCAGGAGGCTCAT  
AGCACCATCTGAGCATCCTGGGACAGGCAGCCAAGAAAATGTTACCAGTACCCCTCCGGAGGTCCATG  
CCAGCATGCAGCTTCGAATTGCTAGGATTCTT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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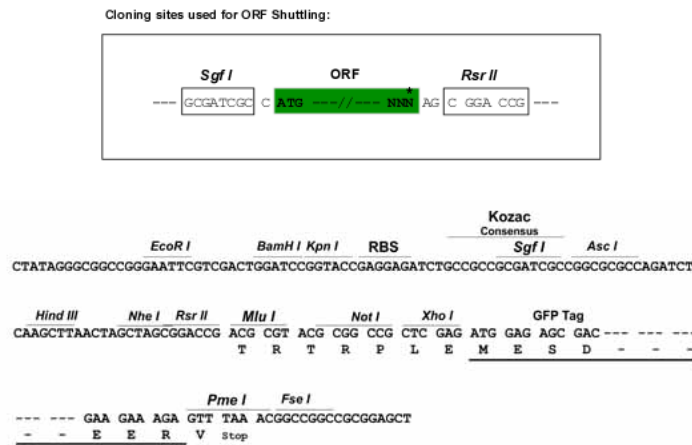
**Protein Sequence:** >MG203011 representing NM\_010361  
 Red=Cloning site Green=Tags(s)

MGLELYLDLLSQPSRAVYIFAKKNGIPFQTRTVDILKGQHMSEQFSQVNCLNKVPVLKDGFSVLTESTAI  
 LIYLSKQYQVADHWYPADLQARAQVHEYLGWHADNIRGTFGVLLWTKVLGPLIGVQVPQEKVERNDRMV  
 LVLQQLQLEDKFLRDRAFLVGOQVTLADLMSLEELMQPVALGYNLFEGRPQLTAWRERVEAFLGAELCQEAH  
 STILSILGQAACKMLPVPPPEVHASMQLRIARIP

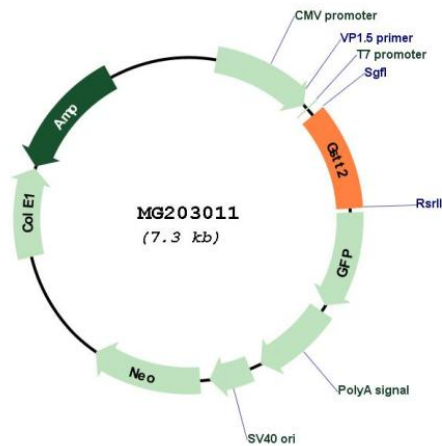
SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_010361

**ORF Size:** 735 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_010361.2</a>
<b>RefSeq Size:</b>	732 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	14872
<b>UniProt ID:</b>	<a href="#">Q61133</a>
<b>Cytogenetics:</b>	10 38.58 cM
<b>Gene Summary:</b>	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.[UniProtKB/Swiss-Prot Function]