

## Product datasheet for **MC226007**

### **Gstz1 (NM\_001252555) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gstz1 (NM\_001252555) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gstz1  
**Synonyms:** MAAI  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC226007 representing NM\_001252555  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGCAAGTGCCAGCGCTGAAAATTGATGGAATCACCATTGTCCAGTCACTGGCCATCATGGAGTACC  
 TGGGAAGAGACTCGGCCTATCCCACGGCTCCTGCCTCAGGACCCACAGAAAAGAGCCATCGTGCGCATGAT  
 TTCTGACCTCATCGCTAGTGGCATCCAGCCCTCAGAACCTGTCTGTCTGAAGCAAGTGGGACAGGAG  
 AACAGATGCAATGGGCCAAAAGGTTATTACTCCGGCTTTAACGCTCTGGAGAAGATTCTGCAGAGCA  
 CAGCAGGAAGTACTGCGTAGGAGATGAGGTATCCATGGCTGATGTGTGCTTAGTACCCCAAGTGGCAAA  
 TGCTGAAAGTTCAAGGTGGATCTAAGCCCTACCCTACCATCAGTCACATCAACAAGGAGCTGCTAGCC  
 TTAGAGGTTTTCCAAGTGTCTCACCCCGTCGACAGCCAGATACCCCTGCCGAGCTGAGGACT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001252555

**Insert Size:** 486 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001252555.1</a></u> , <u><a href="#">NP_001239484.1</a></u>
<b>RefSeq Size:</b>	1986 bp
<b>RefSeq ORF:</b>	486 bp
<b>Locus ID:</b>	14874
<b>UniProt ID:</b>	<u><a href="#">Q9WVL0</a></u>
<b>Cytogenetics:</b>	12 D2
<b>Gene Summary:</b>	<p>Probable bifunctional enzyme showing minimal glutathione-conjugating activity with ethacrynic acid and 7-chloro-4-nitrobenz-2-oxa-1, 3-diazole and maleylacetoacetate isomerase activity. Has also low glutathione peroxidase activity with t-butyl and cumene hydroperoxides. Is able to catalyze the glutathione dependent oxygenation of dichloroacetic acid to glyoxylic acid (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and has a downstream AUG start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Variants 2 and 3 encode the same isoform.</p>