

## Product datasheet for **MC210707**

### **Gsto2 (NM\_026619) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gsto2 (NM\_026619) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gsto2  
**Synonyms:** 1700020F09Rik; 4930425C18Rik; GSTO 2-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210707 representing NM\_026619  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCCGGGGATTTGTCAAGATGCTTGGGAAAAGGAAGCTGTCCCCAGGGCCGGTCCCTGAGGGTGTGA  
TCCGAATCTACAGCATGAGGTTCTGCCCTACTCGCACAGGGCAGCCTGGTTCTCAAGGCCAAAGGCAT  
CAGGCATGAAGTGATCAATATTAACCTGAAAAGCAAGCCTGACTGGTACTATACAAGCATCCTTTTGGC  
CAAATTCCTGTCTTGAGAACAGCCAGTGTGAGCTGGTCTATGAATCTGTATTGCTTGTGAGTACTGG  
ATGACGCTACCCGGAAGAAAGCTGTTCCGTATGACCCGTATGAACGAGCTCGCCAGAAGATGTTATT  
GGAGCTATTCTGTAAGGTCCCGCCTTAAGCAAGGAATGTCTGATAGCGCTGAGATGCGGAAGAGACTGT  
ACGGATCTGAAGGTGCGCCTGCGTCAGGAGTTGTGCAACATGGAAGAGATTCTTGAATATCAGAACACTA  
CCTTCTTCGGCGGAGACTGTATATCCATGATTGATTACCTCGTCTGGCCCTGGTTTGAGCGCCTGGACGT  
ATATGGACTGGCTGACTGCGTGAATCACACCCCGATGCTGCGGCTCTGGATAGCCTCCATGAAGCAGGAC  
CCTGCAGTGTGTGCTCTGCACACTGATAAGAGCGTCTTCCTGGGCTTCTTGAATCTCTATTTCCAAAACA  
ACCTTGTGCCTTGATTTGGGCTGTGTAACCAATCATACGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_026619  
**Insert Size:** 747 bp



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<b>OTI Disclaimer:</b>	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).
<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_026619.2</a> , <a href="#">NP_080895.2</a>
<b>RefSeq Size:</b>	1305 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	68214
<b>UniProt ID:</b>	<a href="#">Q8K2Q2</a>
<b>Cytogenetics:</b>	19 D1
<b>Gene Summary:</b>	<p>Exhibits glutathione-dependent thiol transferase activity. Has high dehydroascorbate reductase activity and may contribute to the recycling of ascorbic acid. Participates in the biotransformation of inorganic arsenic and reduces monomethylarsonic acid (MMA). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>