

## Product datasheet for **RN216080**

### **Gsta3 (NM\_001159739) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gsta3 (NM\_001159739) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gsta3  
**Synonyms:** Gsta5; Yc2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN216080 representing NM\_001159739  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCGGGAAGCCAGTCCTTCACTACTTCGATGGCAGGGGAGAATGGAGCCCATCCGGTGGCTCCTGG  
CTGCAGCTGGAGTAGAGTTTGAAGAAAATTTCTGAAAACCTCGGGATGACCTGGCCAGGTTAAGAAGTGA  
TGGGAGTTTGATGTTTGAACAAGTGCCCATGGTGGAGATTGACGGGATGAAGCTGGTGCAGACCAAAGCC  
ATTCTCAACTACATTGCCACAAATACAACCTCTATGGGAAGGACATGAAGGAGAGAGCCCTCATCGACA  
TGTATGCAGAAGGTGTGGCCGATCTGGAGTTGATGGTTCTCTATTACCCCTACATGCCCCCTGGGGAGAA  
AGAGGCGAGTCTTGCCAAGATCAAGGACAAAGCAAGGAACCGTTACTTCCTGCCTATGAGAAGGTGTTG  
AAGAGCCACGGACAAGATTATCTCGTTGGCAACAAGCTGAGCAGGGCTGATGTTTCCCTGGTTGAACTTC  
TCTACCATGTGGAAGAGATGGACCCAGGCATTGTGGACAACCTCCCTCTGCTAAAGGCCCTGAGAACCAG  
AGTCAGCAACCTCCACAGTGAAGAAAATTTCTCAGCCTGGCAGCCAGAGGAAGCCTTTTGATGATGAG  
AAATGTGTAGAATCAGCGAAGAAGATCTTCAGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001159739  
**Insert Size:** 666 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>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_001159739.2</a></u> , <u><a href="#">NP_001153211.1</a></u>
<b>RefSeq Size:</b>	1478 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	494500
<b>UniProt ID:</b>	<u><a href="#">P46418</a></u>
<b>Cytogenetics:</b>	9q13
<b>Gene Summary:</b>	<p>Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Has substantial activity toward aflatoxin B1-8,9-epoxide. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (isoform 1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the Celera genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>