

## Product datasheet for **RN215946**

### **Gsta3 (NM\_001287025) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gsta3 (NM\_001287025) 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:** >RN215946 representing NM\_001287025  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTGAACAAGTGCCCATGGTGGAGATTGACGGGATGAAGCTGGTGCAGACCAAAGCCATTCTCAACT  
ACATTGCCACCAAATACAACCTCTATGGGAAGGACATGAAGGAGAGACCCTCATCGACATGTATGCAGA  
AGGTGTGGCCGATCTGGAGTTGATGGTTCTCTATTACCCCTACATGCCCCCTGGGGAGAAAGAGGCGAGT  
CTTGCCAAGATCAAGGACAAAGCAAGGAACCGTTACTTCCTGCCTATGAGAAGGTGTTGAAGAGCCAGC  
GACAAGATTATCTCGTTGGCAACAAGCTGAGCAGGGCTGATGTTTCCCTGGTTGAACTTCTCTACCATGT  
GGAAGAGATGGACCCAGGCATTGTGGACAACCTCCCTCTGCTAAAGGCCCTGAGAACCAGAGTCAGCAAC  
CTCCCCACAGTGAAGAAATTTCTTCAGCCTGGCAGCCAGAGGAAGCCTTTTGATGATGAGAAATGTGTAG  
AATCAGCGAAGAAGATCTTCAGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001287025  
**Insert Size:** 516 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_001287025.1</a></u> , <u><a href="#">NP_001273954.1</a></u>
<b>RefSeq Size:</b>	1370 bp
<b>RefSeq ORF:</b>	516 bp
<b>Locus ID:</b>	494500
<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 (3) lacks an alternate 5' exon compared to variant 1 that results in the use of a downstream translation initiation codon. The resulting protein (isoform 2) is shorter and has a distinct N-terminus compared to 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>