

Product datasheet for **MC226050**

Gsta3 (NM_001288617) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gsta3 (NM_001288617) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gsta3
Synonyms: Gst2-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226050 representing NM_001288617
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAGCAAGTGCCCATGGTAGAGATCGACGGGATGAACTGGTGCAGACCAAAGCCATTCTCAACT
ACATTGCCTCAAATACAACCTCTATGGGAAGGACATGAAGGAGAGGCCATCATTGACATGTACACAGA
AGGAGTGGCGGATCTGGAGATAATGATTCTCTATTACCCACATGCCCCCTGAGGAGAAAGAGGCAAGC
CTTGCCAAGATCAAGGAACAAACAGGAACCGTTACTTCCTGCCTTTGAAAAGGTGTTGAAGAGCCATG
GACAAGATTATCTCGTTGGCAACAGGCTGAGCAGGGCTGATATTGCCCTGGTTGAACTCCTCTACCATGT
GGAAGAGCTGGACCCGGGCGTTGTGGACAACCTCCCTCTCCTGAAAGCGCTGAGAAGCAGAGTCAGCAAC
CTCCCCACAGTGAAGAAGTTTCTCAACCTGGCAGCCAGAGGAAGCCTTTTGATGACGCAAAATGTGTTG
AGTCAGCAAAGAAGATTTTCAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001288617
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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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001288617.1</u> , <u>NP_001275546.1</u>
RefSeq Size:	1515 bp
RefSeq ORF:	516 bp
Locus ID:	14859
Cytogenetics:	1 6.5 cM
Gene Summary:	<p>Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. This GST has a high catalytic activity for aflatoxin B1-8,9 epoxide. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region compared to variant 1. The resulting isoform (b) has a shorter N-terminus compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>