

Product datasheet for MC208017

Gstz1 (NM_010363) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gstz1 (NM_010363) 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:	>MC208017 representing NM_010363 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGCCGGGAAGCCTATCCTCTACTCCTATTTCCGAAGCTCCTGTTTCATGGAGAGTTCAATTGCTC
TGGCGTTAAAAGGCATTGACTATGAGATAGTGCCCATCAACCTCATAAAGGATGGCGGGCAACAGTTCAC
TGAGGAATTTAGACCCTGAACCCCATGAAGCAAGTGCCAGCGCTGAAAATTGATGGAATCACCATTGTC
CAGTCACTGGCCATCATGGAGTACCTGGAAGAGACTCGGCCTATCCACGGCTCCTGCCTCAGGACCCAC
AGAAAAGAGCCATCGTGCGCATGATTTCTGACCTCATCGCTAGTGGCATCCAGCCCTTCAGAACCTGTC
TGTCTGAAGCAAGTGGGACAGGAGAACCAGATGCAATGGGCCAAAAGTTATTACTTCCGGCTTTAAC
GCTCTGGAGAAGATTCTGCAGAGCACAGCAGGGAAGTACTGCGTAGGAGATGAGGTATCCATGGCTGATG
TGTGCTTAGTACCCCAAGTGGCAAATGCTGAAAGGTTCAAGGTGGATCTAAGCCCTACCCTACCATCAG
TCACATCAACAAGGAGCTGCTAGCCTTAGAGGTTTTCCAAGTGTCTACCCCGTCGACAGCCAGATACC
CCTGCCGAGCTGAGGACTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_010363
Insert Size:	651 bp



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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).
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>BC031777</u> , <u>AAH31777</u>
RefSeq Size:	1671 bp
RefSeq ORF:	651 bp
Locus ID:	14874
UniProt ID:	<u>Q9WVL0</u>
Cytogenetics:	12 D2
Gene Summary:	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] Transcript Variant: This variant (1) encodes the longer isoform (1).