

Product datasheet for **MC208603**

Gsx2 (NM_133256) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsx2 (NM_133256) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gsx2
Synonyms:	Gsh-2; Gsh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208603 representing NM_133256 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCTCCTTCTACGTGGACTCACTCATCATCAAGGACTCCTCACGGCCCGCACCCCTCGTGCCGG
AATCGCACCCAGGGCCGATTTCCTCATCCCGTGGGCATGCCGTCCCCGTTGGTGATGTCAGTGTCCGG
GCCTGGCTGTCCGTCCCACAAAAGCGCGCTTCTGCGTGTGCCCGTTCGCGTACCTCGCACCTGCAC
TCCTCTCGCCCGCCCGCAGGAGCTGGTGGCGGAGCTACGGGGACCGGGGGCTGCAGTGGCGGGCGCCG
GGGTGGCTGGAGGCACCGCGCTCTACCTTTGCTCAAAGCCAGTTCTCTCCCGCTCTGGGACCGCGCA
GTTTTGCCACGGGTGAGCCACGCACACCATCACCAACCCACACAGCATCATCATCACCATCACCAG
CCCCAGCAGCCCGCTCGGCTGCAGCGCGGCCGCGCGCGCGCGCGGCGGCGAGCTGCGGCAGCGCGGCTC
TGGGACACCCGCAGCACCACGCACCTGTCTGCGCCGCACTACCTACAACATGTCGGACCCACGGAGATT
CCACTGCCTCTCCATGGGAGGCTCCGATACCAGCCAGGTACCCAATGGCAAAGGATGAGGACAGCGTTT
ACCAGCACGCAGCTCCTGGAGCTGGAGCGAGAATTCTCTTCCAATATGTACCTGTCCCGACTCCGGAGAA
TCGAGATCGCGACATACCTAAACCTGTGAGAGAAGCAGGTGAAAATCTGGTTTCAGAACCCTCGCGTGAA
GCACAAGAAGGAGGGGAAAGCGCTTCGAGGAACAATCACACAAGCTGCAAGTGCCTGGGTAGCCAGCGC
CATTATCGCGCTCCGAGGACGAGGACTCCTTGTCCCTGCCTCGGCTAACGAAGACAAGGAGATTCCC
CCTTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1215_h02.zip

Restriction Sites: SgfI-MluI



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ACCN:	NM_133256
Insert Size:	918 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).
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:	NM_133256.2 , NP_573555.1
RefSeq Size:	1665 bp
RefSeq ORF:	918 bp
Locus ID:	14843
UniProt ID:	P31316
Cytogenetics:	5 39.55 cM
Gene Summary:	During telencephalic development, causes ventralization of pallial progenitors and, depending on the developmental stage, specifies different neuronal fates. At early stages, necessary and sufficient to correctly specify the ventral lateral ganglionic eminence (LGE) and its major derivatives, the striatal projection neurons. At later stages, may specify LGE progenitors toward dorsal LGE fates, including olfactory bulb interneurons (PubMed:19709628). Transcription factor that binds 5'-CNAATTAG-3' DNA sequence (PubMed:7619729).[UniProtKB/Swiss-Prot Function]