

Product datasheet for **MC208601**

Gsc (NM_010351) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsc (NM_010351) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gsc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NM_010351.1 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGCCAGCATGTTTCAGCATCGACAACATCCTGGCCGCCCGCCGCGCTGCAAAGACGCGGTGCTCC
CGGTGGCGCCAGCGCCGCGGCTCCGGTGGTCTTCCCGGCTCTACACGGGACTCGCTCTACGGCGCCGG
CGGCGGCACCTCCTCGGACTACGGCGCCTTCTACCGCGCCCTGTGGCCCCGGAGGCGCGGGCCTCCCG
GCCGCGGTGGGAGCTCCCGCCTGGGCTACAACAGCTACTTCTACGGGCAGCTGCACGTGCAGGCGGGCCG
CCGTGGGCCCGGCTTGTGCGGGGCTGTGCCGCCGCTGGGCGCCAGCAGTCTCTCGTCCCGACGACC
CCAGGCTACGAGGGCCCGGTTCTGACTGGTGTCTCCGGTGCCGACCAAGATGCTGCCCTACATGAAC
GTGGGCACGCTGTGCGCACTGAGCTGCAGCTGCTCAACCAGCTGCACTGTGCGCGGAAGCGGGCACC
GCACCATCTTCACCGATGAGCAGCTCGAAGCCCTGGAGAACCCTTCCAGGAGACGAAGTACCCAGACGT
GGGCACTCGGGAGCAGCTGGCCAGGAAGGTGCACCTTCGGGAGGAGAAGGTGGAGGTCTGGTTTAAGAAC
CGCCGAGCCAAGTGGAGACGACAGAAGCGATCCTCCTCGGAGGAGTCAAAAACGCCGAGAAGTGGAAACA
AGACGTCTCAAAGCCTCGCCGAGAAGAGGGAAGGAAGGTAAGCGATTTGGACTCGGACAGCTG
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja1471_e06.zip
Restriction Sites:	Sgfl-MluI
ACCN:	NM_010351
Insert Size:	771 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>NM_010351.1</u> , <u>NP_034481.1</u>
RefSeq Size:	1183 bp
RefSeq ORF:	771 bp
Locus ID:	14836
UniProt ID:	<u>Q02591</u>
Cytogenetics:	12 54.32 cM
Gene Summary:	Regulates chordin (CHRD). May play a role in spatial programming within discrete embryonic fields or lineage compartments during organogenesis (By similarity). In concert with NKX3-2, plays a role in defining the structural components of the middle ear; required for the development of the entire tympanic ring. Goosecoid-expressing regions of the gastrulating mouse egg cylinder have organizer-like activity when transplanted into Xenopus embryos. Probably involved in the regulatory networks that define neural crest cell fate specification and determine mesoderm cell lineages in mammals (By similarity).[UniProtKB/Swiss-Prot Function]