

Product datasheet for **MC223586**

Gli1 (NM_010296) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gli1 (NM_010296) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gli1
Synonyms: AV235269; Zfp-5; Zfp5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC223586 representing NM_010296
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCAATCCAATGACTCCACCACAAGTCAATAGCTATAGTGAGCCATGCTGTCTCCGACCCCTCCACA
 GCCAAGGAGTCCCAGCATGGGAACAGAAGGACTTTCTGGTCTGCCCTTTTCCACCAAGCCAATTTAT
 GTCAGGGTCCCAGGGTTATGGAGCAGCCAGAGAGACCAGCAGCTGCACTGAAGGATCTCTTTCTCTCT
 CCTCTCTCTCGGAGTTCAGTCAAATAACAAAGAAGCGGGCTCTCTCCATCTCGCCCTTTCTGATG
 CCAGCCTCGACCTGCAAACCGTAATCCGGACCTCACCCAGCTCCCTGGTGGCTTTTCATCAACTCTCGCTG
 TACATCTCCGGGCGGTTCTACGGCCATCTCTCCATTGGTACCATGAGCCCTTCTTAGGATTCCCACCT
 CAGATGAGTCATCAAAAAGGAATTCACCTCCCTATGGAGTCCAGCCCTGTGTACCACATGACTCTACTC
 GGGGTTCAATGATGCTTCACCCAGTCCCAGGGACCAGTGCACCTGCCAGCTGAAGTCAGAGCTGGA
 TATGATGGTTGGCAAGTGCCTGGAGGACCTTTGGAAGGGGACATGTCTAGCCCCAACTCCACAGGCACA
 CAGGATCACCTGTTGGGATGCTGGATGGGCGGGAGGACCTGGAGAGAGAGGAGAAGCCTGAGCCTGAGT
 CTGTGTATGAGACAGACTGCCGCTGGGATGGTTGCAGCCAGGAGTTCGATTCCCAGGAGCAGCTGGTGCA
 CCACATCAACAGTGAGCATATCCACGGGAGCGGAAGGAATTCGTGTGCCATTGGGGAGGTTGCTCCAGG
 GAGCTGAGGCCCTTCAAGGCCAATACATGCTGGTGGTGCAGACACACGGGGGAGAAGCCAC
 ACAAGTGACGTTTGAAGGCTGTCGGAAGTCTATTACGCCTTGAAAACCTCAAGACGCACCTTCGGTC
 GCACACGGGTGAGAAGCCTTACATGTGTGAGCAAGAAGGTTGCAGCAAGGCCCTTAGCAATGCCAGTGAC
 CGCGCCAAGCACCAGAATCGGACCCACTCCAATGAGAAGCCATACGTGTGCAAGCTCCCCGGCTGCACCA
 AGCGCTACACAGATCCCAGCTCGCTCCGCAACACGTGAAGACAGTGCATGGTCCGGATGCCACGTGAC
 CAAGCGGCATCGAGGGGATGGCCCTTGCACGGGCTCAGCCCTCTCCACAGTGGAGCCCAAGCGGGAA
 AGGGAAGGAGGATCCGGCAGGGAAGAGAGCAGACTGACTGTGCCCGAGAGTGCCATGCCGCAGCAGACCC
 CCGGAGCGCAGTCTCTTGCAGCAGCGACCACTCCCAGCAGGCAGTGCAGCCCAACCGGACAGCGCGGT
 GGAGATGGCCGCAACGCCGGGGCAGCACTGAGGACTTGTCCAGCTTGGATGAAGGACCTTGTGTCTCG



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GCCACCGGACTCTCCACGCTTCGCCGCTGGAGAACCTTAGGCTGGATCAGCTGCATCAGCTCCGGCCCA
TAGGGTCTCGGGGTCTCAAACCTGCCAGCTTAACCCACGCTGGCGCACCTGTGTCTCGCCGTCTGGGCC
CCCAGTCTCCCTGGACCGCCGCAGCAGCAGCTCCAGCAGCATGAGCTCTGCTTACACAGTCAAGCCGAGG
TCCTCCCTGGCATCCCCTTTCCCGCCGGGAACCCACCAGAGAATGGGGCATCGTCACTACCTGGCCTCA
CACCTGCTCAGCACTACATGCTCCGTGCCAGATGCTTCAGCCAGGGGGAGTGGCACCCCGCCACTGC
AGCTCACAGCCTGGATCGGATGGGAGGTCTTTCTGTTCTCTTGGAGAAGCCGAACCGAGTACCCGGGA
TACAACCCAAATGCAGGGGTCACTCGGAGGGCAGTACCAGCCCGGGCTGCTGACCCAGCAGTCCAG
CCAGAGTCCAGCGGTCAAGAGCCTGGGATGTGTCCACACGCCCCCTAGTGTGGCAACGGGACGGAATT
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ACTAGGGGGCTACAGGAGGAGCCAGAGGTTGAACTTCTGTGATGGGCAATGGTCTGAACCCATACATGG
ATTTTTCTCCACTGATACTCTGGGATATGGGGGACCCGAGGGGACGGCAGCTGAGCCTTATGAAGTAG
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GTCTCCTATCCTGATCCACCCAGAAAACCTGGGGTGAGTTCCCTTCTCATGCTGGGGTGTACCCTAGCA
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AGAACAAGGGTGGCCAGTGGGGTCTGACTCCACCGGATTGGCACCTGCCTCAATGCCACCCAGTGAA
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GTCCCTATCCTCAGCCTCCCATGGTTATCTCTCAACAGAACCCAGGCTTGGCCTCAATTTCAACCCCTC
TCCTCTCATTCCACAGGACAGCTCAAAGCTCAGCTGGTGTGTAATTACGTTTCAGTCGCAGCAGGAATTG
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GGGTTCCCAAGTTAGTCAGAGCCCTGCCAAGACCCAGCAGCAGCGCGGCAGCATATGGATCTGGCTT
TGCACCTGCTTCGGCCAATCACAAATCAGGCTCCTATCCTGCCCTTACCCTGCCATGAACTTTCACC
GTGGGAGTAAACAGGCCCTCCACAGGCCAGCAGCACCACCCGACTTCTGCCCCGCTGTCCCTTGTCT
ATGGGCCCTCAAGGTGGGGGATACCAACCCAGCTGTGGCCATCCTGAGGTGGGAGGTTAGGAGCAGG
CCCTGCCTTGTACCCTCCTGAAGGGCAGGTGTGTAACGCTCTGGACTCTTTGACCTGGACAACACT
CAGCTGGACTTTGTGGCTATCCTAGATGAGGCCAGGGCCTGAGCCCTCCTTTCCCATGAGCAAGGGG
ACAGCTCTAAAAACCCCATCTCCCTCTGGGCCCCCAACATGGCAGTGGGTAACATGAGTGTCTTGTCT
GGGGTCTCTGCCTGGAGAGACACAATTCCTCAACTCTAGTGCC
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ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_010296

Insert Size:

3336 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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_010296.2](#), [NP_034426.2](#)

RefSeq Size: 3662 bp

RefSeq ORF: 3336 bp

Locus ID: 14632

UniProt ID: [P47806](#)

Cytogenetics: 10 74.5 cM

Gene Summary: Acts as a transcriptional activator. Binds to the DNA consensus sequence 5'-GACCACCCA-3'. Regulates the transcription of specific genes during normal development. Plays a role in craniofacial development and digital development, as well as development of the central nervous system and gastrointestinal tract. Mediates SHH signaling. Plays a role in cell proliferation and differentiation via its role in SHH signaling.[UniProtKB/Swiss-Prot Function]