

Product datasheet for MR227023

Gli1 (NM_010296) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gli1 (NM_010296) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gli1
Synonyms:	AV235269; Zfp-5; Zfp5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227023 representing NM_010296 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCAATCCAATGACTCCACCACAAGTCAATAGCTATAGTGAGCCATGCTGTCTCCGACCCCTCCACA
GCCAAGGAGTCCCAGCATGGGAACAGAAGGACTTTCTGGTCTGCCCTTTTCCACCAAGCCAATTTAT
GTCAGGGTCCCAGGGTTATGGAGCAGCCAGAGAGACCAGCAGCTGCACTGAAGGATCTCTTTCTCTCT
CCTCCTCCTCCTCGGAGTTCAGTCAAATAACAAAGAAGCGGGCTCTCTCCATCTCGCCCTTTCTGATG
CCAGCCTCGACCTGCAAACCGTAATCCGGACCTCACCCAGCTCCCTGGTGGCTTTTCATCAACTCTCGCTG
TACATCTCCGGGCGGTTCTACGGCCATCTCTCCATTGGTACCATGAGCCCTTCTTAGGATTCCCACCT
CAGATGAGTCATCAAAAAGGAATTCACCTCCCTATGGAGTCCAGCCCTGTGTACCACATGACTCTACTC
GGGTTCAATGATGCTTCACCCAGTCCCAGGGACCAGTGCACCTGCCAGCTGAAGTCAGAGCTGGA
TATGATGGTTGGCAAGTGCCTGGAGGACCTTTGGAAGGGGACATGTCTAGCCCCAACTCCACAGGCACA
CAGGATCACCTGTTGGGATGCTGGATGGGCGGGAGGACCTGGAGAGAGAGGAGAAGCCTGAGCCTGAGT
CTGTGTATGAGACAGACTGCCGCTGGGATGGTTGCAGCCAGGAGTTCGATTCCCAGGAGCAGCTGGTGCA
CCACATCAACAGTGAGCATATCCACGGGAGCGGAAGGAATTCGTGTGCCATTGGGGAGGTTGCTCCAGG
GAGCTGAGGCCCTCAAGGCCAATACATGCTGGTGGTGCACATGCCAGACACACGGGCGAGAAGCCAC
ACAAGTGACGTTTGAAGGCTGTCGGAAGTCTATTACGCCTTGAAAACCTCAAGACGCACCTTCGGTC
GCACACGGGTGAGAAGCCTTACATGTGTGAGCAAGAAGGTTGCAGCAAGGCCCTTAGCAATGCCAGTGAC
CGCGCCAAGCACCAGAATCGGACCCACTCCAATGAGAAGCCATACGTGTGCAAGCTCCCCGGCTGCACCA
AGCGCTACACAGATCCCAGCTCGCTCCGCAACACGTGAAGACAGTGCATGGTCCGGATGCCACGTGAC
CAAGCGGCATCGAGGGGATGGCCCTTGCACGGGCTCAGCCCTCTCCACAGTGGAGCCCAAGCGGGAA
AGGGAAGGAGGATCCGGCAGGGAAGAGAGCAGACTGACTGTGCCCGAGAGTGCCATGCCGCAGCAGAGCC
CCGGAGCGCAGTCTCTTGCAGCAGCGACCACTCCCAGCAGGCAGTGGCCCAACCGGACAGCGCGGT
GGAGATGGCCGCAACGCCGGGGCAGCACTGAGGACTTGTCCAGCTTGGATGAAGGACCTTGTGTCTCG



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GCCACCGACTCTCCACGCTTCGCCGCTGGAGAACCTTAGGCTGGATCAGCTGCATCAGCTCCGGCCCA
 TAGGGTCTCGGGTCTCAAACCTGCCAGCTTAACCCACGCTGGCGCACCTGTGTCTCGCCGTCTGGGCC
 CCCAGTCTCCCTGGACCGCCGACGAGCAGCTCCAGCAGCATGAGCTCTGCTTACACAGTCAAGCCGAGG
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 CCAGAGTCCAGCGGTCAAGAGCCTGGGATGTGTCCACACGCCCCCTAGTGTGGCAACGGGACGGAACCT
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 ATTTTTCTCCACTGATACTCTGGGATATGGGGACCCGAGGGGACGGCAGCTGAGCCTTATGAAGTAG
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 AGAACAAGGGTGCCAGTGGGGTCTGACTCCACCGGATTGGCACCTGCCTCAATGCCACCCAGTGAA
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 GTCCTATCCTCAGCCTCCCATGGTTATCTCTCAACAGAACCCAGGCTTGGCCTCAATTTCAACCCCTC
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 TGCACCTGCTTCGGCCAATCACAAATCAGGCTCCTATCCTGCCCTTACCCTGCCATGAACTTTCACC
 GTGGGAGTAAACAGGCCCTCCACAGGCCAGCAGCACCACCCGACTTCTGCCCCGCTGCCCTTGTCT
 ATGGGCCCTCAAGGTGGGGATACCAACCCAGCTGTGGCCATCCTGAGGTGGGAGTGGGAGGAGGAGG
 CCTGCCTTGTACCCTCCTCTGAAGGGCAGGTGTGTAACGCTCTGGACTCTTTGACCTCTTGACACT
 CAGCTGGACTTTGTGGCTATCCTAGATGAGGCCAGGGCCTGAGCCCTCCTTTCCCATGAGCAAGGGG
 ACAGCTCTAAAAACACCCATCTCCCTCTGGGCCCCCAACATGGCAGTGGGTAACATGAGTGTCTTGT
 GGGTCTCTGCCTGGAGAGACAAATTCCTCAACTCTAGTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227023 representing NM_010296
 Red=Cloning site Green=Tags(s)

MFNPMTTPQVNSYSEPCCLRPLHSQGVPSMGTEGLSGLPFCHQANFMSGSQGYGAARETSSCTEGSLFPP
 PPPRSSVKLTKKRALSI SPLSDASLDLQTVIRTSPSSLVAFINSRCTSPGGSYGHLSIGTMSPSLGFPP
 QMSHQKGTSPPYGVQPCVPHDSTRGSMMLHPQSRGPRATCQLKSELDMVKGKCPEDPLEGDMSSPNSTGT
 QDHLGLMDGREDLEREEKPEPESVYETDCRWDGCSQEFDSQEQLVHHINSEHIIHGERKEFVCHWGGCSR
 ELRPFKAQYMLVVMRRHTGEKPHKCTFEGCRKSYSRLENLKHLSRHTGEKPYMCEQEGCSKAFSNASD
 RAKHQNRTHSNEKPYVCKLPGCTKRYTDPSSLRKHVKTVHGPDAHVTKRHRGDGPLPRAQPLSTVEPKRE
 REGGSGREESRLTPESAMPQQSPGAQSSSDHSPAGSAANTDSGVEMAGNAGGSTEDLSSLDEGPCVS
 ATGLSTLRRLENLRDLQLHLRPIGSRGLKPLSLTHAGAPVSRRLGPPVSLDRSSSSSSMSAYTVSRR
 SSLASPFPPGTPENGASSLPGLTPAQHYMLRARYASARGSGTPPTAAHSLDRMGGLSVPPWRSRTEYPG
 YNPAGVTRRASDPARAADHPAPARVQRFKSLGCVHTPPSVATGRNFDPHHTSVYSPQPPSITENVAMD
 TRGLQEEPEVGTSMGNLNPYMDFSSTDTLGYGGPEGTAAEPYEARGPGLPLGPGPPTNYGPGHCAQQ
 VSYDPDENWGEFPHAGVYPSNKAPGAAYSQCPRLHYGQVQVQKPEQGCPCVSDSTGLAPCLNAHPSE
 GSPGQPLF SHHPQLPQYYPQSGPYPPHGYLSTEPRLGLNFPSSSHSTGQLKAQLVCNYVQSQQEL
 LWEGRNRGGLPNQELPYQSPKFLGGSQVQSPAKTPAAAAAYGSGFAPASANKSGSYAPSPCHETFT
 VGVNRP SHRPAAPPRLPLSPCYGPKLVGDTNPSCGHPEVGRGAGPALYPPPEGQVCNALDSL DLDNT
 QLDFVAI LDEAQLSPPLSHEQGDSSKNTSPSPGPPNMAVGNMSVLLGSLPGETQFLNSSA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010296

ORF Size: 3333 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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](#)

