

Product datasheet for **RR217480**

Gli1 (NM_001191910) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gli1 (NM_001191910) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gli1
Synonyms:	Gli
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217480 representing NM_001191910 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTCAATCCAATGACTTCACCACAAGTCAATAGCTATGGTGAGCCATGCTGTCTCCGACCCCTCCCCA
GCCAAGGGGTCCCAGCATGGGAACAGAAGGACTTTCTGGTCTGCCCTTTTCCACCAAGCCAATTTTAT
GTCAGGGTCCCAGGGTTATGGTCTGCCAGAGAGACCAGCAGCTGCACTGAGGGGTCACTTTTCCTCCT
CCTCGGAGTTCAGTCAAAGTACTAAGAAGCGGGCTTTCCATCTCGCCTCTCTCTGACGCCAGCCTCG
ACCTGCAAACCGTAATCCGTACCTCACCCAGCTCCCTCGTGGCTTTCATCAACTCTCGTTGTACATCTCC
AGGCGGTTCTACGGCCATCTCTCCATTGGCACCATGAGCCCTTCTTTAGGATCCCACCTCAGATGAGT
CACCAGAAAGGAACTTCACTCCCTATGGAGTCCAGCCCTGTGTTCCACATGATTCTACTCAGGGTTCAA
TGATGCTTCAACCCAGTCCCAGGACCACGTGCAACCTGCCAGCTGAAGTCAGAGCTGGACATCATGGT
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CAGTGAGCACATCCACGGGAGCGGAAGGAGTTGTTGTCGCACTGGGGAGGCTGCTCCAGGGAGCTGAGG
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CAGATCCCAGCTCGTCCGAAACATGTCAAGACTGTGCACGGTCCGGATGCCACGTGACCAACGACA
TCGAGGGGATGGCCCTTACCACGGGCACAGCCCTCTCCACAGTGGAGCCCAAGCGAGAAAGGGAAGGA
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GGGGTCTCAAACCTGCCAGCTTAACCCACGCTGGCGCACCTGTGTCTCGACGTCTGGGCCACCGGTCTC
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 TCTGCCTGGAGAGACGAGTTCCTCAACTAGTGCC

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Protein Sequence:

>RR217480 representing NM_001191910
 Red=Cloning site Green=Tags(s)

MFNPMTSPQVNSYGEPCCLRPLPSQGVPSMGTEGLSGLPFCHQANFMSGSQYGSARETSSCTEGLFPP
 PRSSVKLTKKRALSIPLSDASLDLQTVIRTSPSSLVAFINSRCTSPGGSYGHLSIGTMSPSLGFPPQMS
 HQKGTSPPYGVQPCVPHDSTQGSMLHPQSRGPRATCQLKSELIMVGKCPPEPLEGDMSSPNSTSTQDH
 LLGMLDGREDLEREEKPEPEVYETDCRWDGCSQEFDSQEQLVHHINSEHIHGERKEFVCHWGGCSREL
 PFKAQYMLVVHMRRTGKPKHCTFEGCRKSYSRLENLKTHLRSHTGKPYMCEQEGCSKAFSNASDRAK
 HQNRTHSNEKPYVCKLPGCTKRYTDPSSLRKHVKTVHGPDAHVTKRHRGDGPLPRAQPLSTVEPKREREG
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 LQGELEVGTSMGNDLNPYMDFSADTLGYGGPEGTAESYGSKGPGLPLGPGPPTNYGPHCAQQVSY
 PDPTPETWGEFSPSHAGVYPGKALGTAYNQCPREHYGQVVKPEQGCPCVSDSTGLAPCLNAHPSEGSP
 DPQPLFSHHSQPLPPQYLQSGPYQPPHDCLSLESRPGLNFPSSHSTGQLKAQLLCNYVQSQELLWEG
 RSRGGIPNQELPYQSPKFLGGSQVSQSPTKVPAAAAAATFGSGFASPALANHKSVSYPAAPSPCHETFTMG
 VNRPPHPAAPPRLPLPCCYGPLKVGDNANPCGHPEVGRLGAGPALYPPPEGQVCNPLDSLDELNTQL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

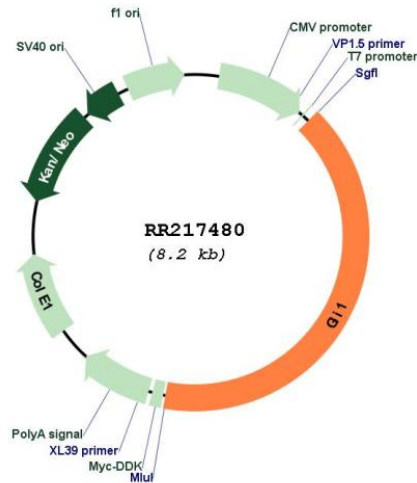
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191910

ORF Size: 3327 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:	<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_001191910.1, NP_001178839.1</u>
RefSeq Size:	3501 bp
RefSeq ORF:	3330 bp
Locus ID:	140589
Cytogenetics:	7q22
MW:	118.2 kDa
Gene Summary:	mouse homolog is a zinc finger transcription factor and oncogene; involved in development [RGD, Feb 2006]