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Product datasheet for MG227023

Gli1 (NM_010296) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gli1 (NM_010296) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gli1
Synonyms:	AV235269; Zfp-5; Zfp5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG227023 representing NM_010296
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCCTTCTTTAGGATTCCCACCTCAGATGAGTCATCAAAAAGGAACTTCACCTCCCTATGGAGTCC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG227023 representing NM_010296
Red=Cloning site Green=Tags(s)

MSPSLGFPPQMSHQKGTSPPYGVQPCVPHDSTRGSMMLHPQSRGPRATCQLKSELDMMVGKCPEDPLEGD
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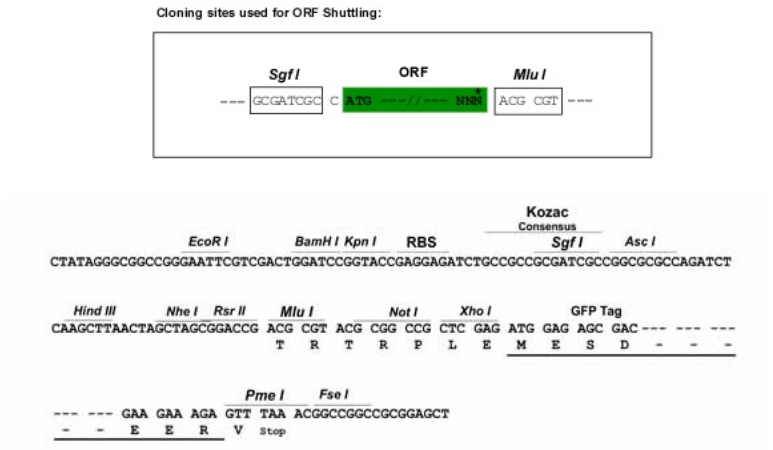
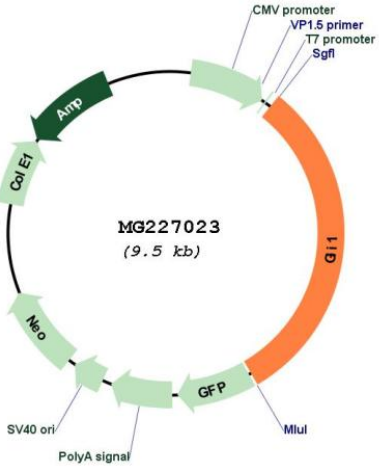
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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

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]