OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN217660

Gli3 (NM_080405) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gli3 (NM_080405) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gli3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>RN217660 representing NM_080405
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCCCAGTCCCACAGCTCGACGACAACTGAGAGGAAGAAAGCTGAAAGTTCCATTGCGAAGTGTC
CCACAAGAACAGATGTCAGTGAGAAGGCCGTGGCCTCCAGTACCACTTCAAATGAGGATGAAAGTGCTGG
ACAGATCTATCACCGAGAGAGAAGAAACGCAATCACTATGCAGCCTCAGAGTGTGCAGGGTCTCAGCAAA
ATCAGTGAGGAGCCCTCAACATCTAGTGATGAGAGGGCCTCGTTGATCAAGAAAGAGATCCATGGATCTC
TACCACATCTGGCTGAGCCCTCTCTCCCTTATCGTGGGACTGTGTTTGCCATGGATCCCCGGAATGGTTA
CATGGAGCCTCACTACCACCCTCCTCATCTTTTTCCTGCCTTCCATCCTCCTGTACCGATTGATGCCAGA
CATCACGAGGGCCGCTACCATTATGATCCATCTCCTATTCCTCCATTACACGTGCCTTCTGCCTTATCTA
GTAGTCCAACGTATCCAGACTTGCCTTTCATTAGGATCTCCCCACACCGTAACCCCACTGCAGCTTCAGA
GTCCCCCTTCAGCCCCCCACACCCCTACATCAACCCATATATGGACTACATCCGCTCCTTGCACAGCAGC
CCATCCCTCTCCATGATCTCCGCTGCCCGAGGGCTGAGCCCCACAGATGCCCCCCATGCTGGAGTCAGCC
CTGCGGAATACTATCACCAGATGGCTCTGCTGACAGGCCAGCGCAGCCCCTATGCAGACATCCTTCCCTC
AGCCGCCACTGCTGGTGCAGGGGCCATCCATATGGAGTACCTTCATGCCATGGACAGCACCAGATTTCCC
AGCCCTAGACTGTCAGCTAGGCCCAGCCGAAAGCGTACCCTGTCGATCTCTCCACTGTCAGATCATAGCT
TCGACCTTCAGACCATGATAAGAACATCTCCTAACTCCTTGGTCACAATCCTCAATAATTCCCGTAGCAG
TTCTTCAGCAAGTGGTTCCTATGGGCACTTATCTGCAAGTGCAATCAGCCCTGCTTTGAGCTTCACCTAC
CCCTCCGCCCCCGTGTCTCTCCATATGCATCAACAGATCCTAAGCCGACAGCAGAGCTTAGGTTCAGCAT
TTGGACATAGCCCTCCCCTCATCCACCCTGCTCCAACATTTCCAACGCAGAGACCCATCCCTGGGATTCC
GACGGTTCTGAACCCTGTCCAGGTCAGCTCTGGCCCTTCTGAGTCTTCACAGAGCAAACCCACAAGTGAG
TCTGCAGTGAGTAGTACCGGTGACCCTATGCATAATAAGCGGTCCAAGATCAAGCCCGATGAAGACCTCC
CCAGCCCAGGATCACGGGGGCAGCAGGAACAGCCGGAGGGAACAACCCTAGTCAAGGAGGAAGGGGACAA
AGATGAAAGCAAGCAGGAGCCTGAAGTCATCTATGAGACAAACTGCCACTGGGAAGGCTGCACAAGAGAG
TTCGACACCCAGGATCAGCTTGTGCATCATATCAATAATGACCACATTCATGGAGAAAAGAAGGAGTTTG
TGTGCCGCTGGCTTGATTGTTCAAGAGAGCAGAAACCGTTCAAAGCCCAGTACATGTTGGTAGTACATAT
GAGAAGACACACCGGAGAGAAGCCTCACAAATGTACATTTGAAGGTTGTACAAAAGCCTACTCAAGACTC

View online »

GAAAACCTGAAAACCCACTTGAGATCTCACACTGGAGAGAAGCCATATGTCTGTGAGCATGAGGGCTGCA
ACAAGGCTTTCTCTAACGCTTCAGATCGGGCCAAGCACCAAAACAGAACACATTCCAATGAGAAACCATA
TGTATGCAAAATCCCTGGCTGCACCAAGCGTTACACAGACCCCAGCTCTCTCCGGAAACATGTGAAGACT
GTGCATGGCCCTGAGGCTCATGTTACCAAGAAGCAGCGTGGGGACATGCACCCTCGGCCTCCACCACCTA
GAGATTCTGGCAGCCATTCACAGTCCAGGTCCCCCGGCCGGCCGACTCAGGGAGCATTCGGTGAGCAGAA
GGAGCTGAGCAACACTACCTCAAAGCGGGAAGAATGCCTCCAGGTGAAGACTGTCAAGGCTGAAAAGCCC
ATGACATCTCAGCCAAGCCCTGGTGGTCAGTCTTCATGCAGCAGCCAACAGTCCCCCATCAGCAACTATT
CCAACAGTGGGCTCGAGCTTCCTCTGACTGATGGAGGTAGTATAGCAGACCTCAGTGCCATCGATGAGAC
CCCAATCATGGACTCGACCATTTCCACGGCAACCACAGCCCTTGCTTTGCAAGGCAGGAGAAACCCAGCA
GGGACCAAATGGATGGAGCATATCAAACTTGAAAGGCTAAAGCAAGTGAATGGAATGTTTCCAAGACTGA
ACCCTATTCTACCCTCCAAAGCCCCTGCGGTATCTCCTCTCATAGGAAATGGCACACAGTCAAATAACAA
CTACAGTTCAGGCGGGCCCGGGACCCTTCTCCCGAGCAGAAGTGATCTGTCGGGTGTAGACTTCACTGTG
CTGAACACGCTCAACAGGAGGGACAGCAACACCAGCACCATCAGCTCTGCCTACCTGAGCAGCCGCAGAT
CCTCGGGCATCTCCCCCTGCTTTTCCAGCCGCAGGTCCAGTGAGGCATCGCAGGCTGAAGGGCGACCCCA
GAATGTGAGTGTGGCCGACTCCTACGATCCCATCTCCACAGATGCTTCACGGAGGTCCAGCGAGGCCAGC
CAGGGTGATGGGCTGCCCAGTCTGCTCAGCCTCACACCCGTGCAGCAGTACCGCCTGAAGGCCAAGTATG
CTGCTGCCACGGGTGGCCCGCCACCCACACCTCTGCCCCACATGGAAAAGCTGAGCCTGAAGACCAGGAT
GGCCCTGCTCGGGGAGGGGAGGGACTCAGGGGTGACTCTGCCTCCAGTCCATCCTCCTCGGAGATGCAGT
GATGGAGGAGGCCATACATACAGCAGGCGTCACCTACTGCCTCATGATGCGCTAGCAAACAGTGCGAGGA
GAGCCAGCGACCCTGTGAGGACCGTCTCCGAGAACATGTCACTTCCCAGGGTTCAACGCTTCAGCAGCCT
GAATAGCTTTAATCCTCCAAATTTGCCTCCATCCGTGGAAAAGCGTAGTTTAGTGCTGCAAAATTATACC
CGGCAGGAGAGCACCCATCCCCGGTACTTCCAAGCATCCCCTTGCCCTCCCAGCATCACAGAGAATGTTG
CCCTGGAGGCCCTGACCATGGATGCTGATGCTAGCTTGAATGATGAAGATTTCCTGCCAGATGATGTGGT
ACAGTATTTGAATTCCCAGAACCAAACAGGGTATGGGCAGCAATTACAGAGTTCCATCTCTGAAGATGGC
AAAGTAGCCCGTGAGCCAGAGGACTTGGACTTACCGGGGCTGCCAGACAGTCATGTTGGCCAGCAATACC
CAGCTCTGGAGCAACCCTGCTCCGAGGGCAGTAAAACTGATTTGCCCATCCAGTGGAATGAGGTCAGCTC
TGGAAGTTCTGATCTGTCATCCTCCAAGCTGAAGTGTGGTCAGCGCCCTACCGTACAGCAGGCTCGAGGC
TTTGGGTTATACAGCAATATGGTGGTACATCCACAGAACCTGTGGAAGGTTGGCACTGGCCCAGCTGGGG
GATCTCAGACCCTTGGGGAGAATGGCAGTTCCTACAGTGACCCAGAGCACTTTGCAGTCCACAGTGGGGA
TGGACTTGGCCCCAGTGGAGATACTTTCCATGAACAGGCCTATAAGACCCAGCAGTATGGGAGCCAGCTC
AGCAGGCAGCCACTGACTTCCAGTGTTCTAGACAGTGCCTGTGGTGCTGGGATTCAAGGGTCCAAGCTGA
AAGGCAACAGTTTGCAAGAGAATGGGGGTTTGCTAGATTTTGGCCTGTCCATGGCACCAAATGAGTTAGC
TGACAACATAGTGAATGGCATACAAACCCAAGAACAAATGGGGCAGGGGTACATTGCTCCTCAGCTACTC
AGTGGCAGCATGCAACACCAGGGGCCCAGTCGCCCTGGTCAACAGGTACTAGGGCAGGTTGGTGCTACCT
CACATATCAACATCTATCAAGGGACAGAGAGCTGCCTACCAGGGACTCAGGACAAGATCAGCCAGCCATC
AAGTATGGCAGTTATCAGGGGCTACCAGCCCTGTGCCAGCTATGGGGGCAGCAGGCGTCAGGCAATGCCA
AGGGGCAGCCTCACTCTGCAACAAGGACAGCTCAGTGACGTGAGTCAGACCAGCAGGGTGAACAGCATCA
AAATGGAGGCACACGGGCAGTCCCATCAGCTCTGCTCTAGCATGCAGAATTATTCCGGTCAGTTTTATGA
CCAAACCATGGGCTTCAGTCAGCAAGACAGGAAAGCTGGCTCATTCTCCCTCTCAGAGGCCAACTGCCTG
CTCCAGGAGAATGGCTCTGAAAATTCTGAGTTACTTTCCCCAGGTGTTAACCAGGTGACCAGCACAGTTG
ACAGCTTTGAGAGTCATGACCTAGAAGGCGTGCAGATTGATTTTGATGCCATCATAGATGATGGGGACCA
TACCAGCCTAATGTCAGGGGCCTTGAGCCCCAGTATCATTCAGAACCTTTCCCACAGCTCCTCCCGTCTC
ACCACACCTCGGGCATCCCTCCCATTCCCTTCTCTGTCCATGAGCACCACCAACATGGCTATTGGGGATA
TGAGTTCTTTGCTGACCTCCCTTGCAGAAGAAAGCAAGTTCCTTGCAGTTATGCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_080405

Insert Size: 4749 bp

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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_080405.2, NP_536330.2
RefSeq Size:	5027 bp
RefSeq ORF:	4749 bp
Locus ID:	140588
Cytogenetics:	17q12.1
Gene Summary:	transcription factor; member of the C2H2-type zinc finger protein subclass of the Gli family of transcription factors; mediates sonic hedgehog (Shh) signalling; may play a role in embryogenesis [RGD, Feb 2006]