

Product datasheet for **RR206054**

Glis2 (NM_001106978) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glis2 (NM_001106978) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glis2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR206054 representing NM_001106978
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACTCCTTGACGAGCCGCTCGACCTAAAGCTGAGCATCACCAAGCTGCGGGCGCAAGAGAGAAGC
 GAGAAAGGACACTGGGTGTACCCCGCACCATGCTTTGCATCGGGAGCTGGCCTGGTGGACGACAGCCC
 CACTCCTGGCTCCCCAGGCTCCCCACCACCAGTTTCTGCTGAACCCAAATTCCTGAGAAGCTGGAT
 GGACGCTTTTCTGCAGCCCCCTTGGTGGACCTCAGCTTGTACCACCATCTGGACTGGACTCCCCAATG
 GCAGCAGTCCCTGTCCCCTGAGCGCAAGGCAACGGGGACCTGCCTCCACTGCCACAGCTGTGGATTT
 CCAGCCACTTCGCTATTTGGATGGCGTTCAGCTCCTCCAGTCTTCTTGCCTGGTTCTGGTGGG
 GCCCTGCACCTACCTGCCTCCTCCTTACTCCCCCAAGGACAAGTGCCTCTACCAGAGCTGCCCC
 TGGCCAAGCAGCTGGTGTGTGATGGGCCAAGTGAACAGCTCTTCGAGCTCCTCAAGACCTGGTTGA
 TCAGTCAATGACCATCATGTCAAGCCGGAACAGGACGCTCGGTACTGCTGCCACTGGGAGGGCTGTGCC
 CGCATGGTCTGGCTTCAATGCCAGGTACAAGATGCTCATCCACATCCGACTCATACCAACGAGAAGC
 CACACCGATGCCCCACCTGTAACAAGAGCTTCTCCCGCTGGAACCTGAAGATCCACAACCGCTCCCA
 CACAGGTGAGAAGCCCTACGTCTGCCCTATGAGGGCTGCAACAAGCGTTACTCCAACCTCGAGTGACCGC
 TTCAAGCATACCCGTACCCACTACGTCGACAAACCTACTACTGCAAGATGCCGGGTGTACAAGCGCT
 ACACGGACCCAGTTCCTGCGCAACACATCAAAGCTCACGGCCACTTTGTGTCCCATGAACAGCAGGA
 GCTCCTGCAGTGCGCCACCCCTAAACCACCACTGCCACCCCTGACAGTGGCTCCTATGTCAGTGGG
 GCTCAGATCATATCCAAACCTGCTGCCCTTTTGGAGGCCAGTCTGCCTGGCTGCCCTTACCTC
 TGGCCCTGGCCCTTGACCTCAGTGCCTGGCTGTGCAATGTTGGAGCGGGGTGGGGGTATGGG
 CCTGGGCTGCCAGGATCTGTTCTGCCCTCAATCTGGCCAAGAACCCTGTTGCCCTCACCTTTGGG
 GCTGGTGGACTAGGCTGCCTGTGGTCTCTCTCCTGGGTGGCTCTGCTGGTAGCAAGGCTGAGGGGAGA
 AGGGTCTGGGTGAGTGCCTGCCAGGCTGCGGCTGGAAGACCACAAGACGCTCCTGGAAGGACGGA
 GCGCAGCCGCTCCCGCCAAGCCCTGATGGACTCCCTTGTACCAGGCACTGTGCTGGACTGTCCACA
 GGCAACTCAGCAGCCAGCAGTCCAGAGGCGTAACTCCTGGTGGGTGGTATCCACCAGGGTCTGTGC
 TGCTCAAACCAGCTGTGGTAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206054 representing NM_001106978
 Red=Cloning site Green=Tags(s)

MHSLDEPLDLKLSITKLRAAREKRERTLGVPRHHLHRELGLVDDSPTPGSPGPPPGFLLNPKFPEKLD
 GRFSAAPLVDLSLSPPSGLDSPNGSSLSPERQNGDLPLPTAVDFQPLRYLDGVPSSFQFFLPLGSGG
 ALHLPASSFLTPPKDKCLSPELPLAKQLVCRWAKCNQLFELLQDLVDHVDHVKPEQDARYCCHWEGCA
 RHGRGFNARYKMLIHIRHTNEKPHRCPTCNKSF SRL ENLKIHNRSHTGEKPYVCPYEGCNKRYNSDR
 FKHTRTHYVDKPYCKMPGCHKRYTDPSSLRKHIAHGHFVSHEQQELLQLRPPPKPPLPTPDSGSYVSG
 AQIIIPNPAALFGGSLPGLPLPLAPGPLDL SALACNGGGGGGGMPGLPGSVLPLNLAKNPLLPSPFG
 AGGLGLPVVSLGGSAGSKAEGEKGRGSPARVLGLEDHKTSLERTERSRSPDGLPLLPGLVLDLST
 GNSAASSPEALTPGWVIPPVSVLLKPAVVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

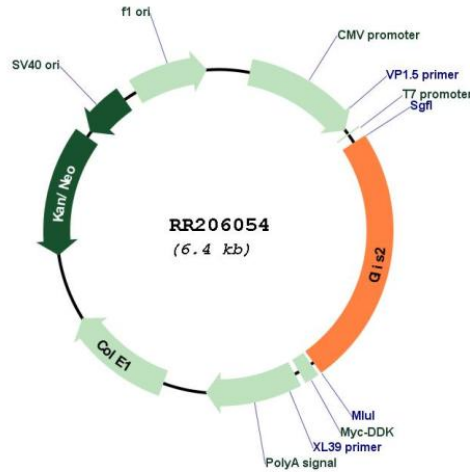
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001106978

ORF Size: 1563 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_001106978.1](#), [NP_001100448.1](#)

RefSeq Size: 3360 bp

RefSeq ORF: 1566 bp

Locus ID: 302946

Cytogenetics: 10q12

MW: 55.9 kDa