

## Product datasheet for **RG211202**

### **GLIS1 (NM\_147193) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GLIS1 (NM_147193) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GLIS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG211202 representing NM\_147193  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGAGGCCCGCACATCCCTGTCTGCCACTGTCTGGGGCCGCTGGCCACTGGCCTGCACCCAGACC  
 TGGACCTCCCGGGCCGAAGCCTCGCCACCCTGCGCCTTCTGCTACCTTCTGGCAGCGAACCCAGCTC  
 TGGCCTGGGCTCCAGCCGAGACCCACCTCCCGAGGGCAGCCTGAAGCGGTGCTGCGTCTTGGCCTA  
 CCCCCACCTCCCAGCCTCCTCCTCACCTGTGCCTCCTCCGACGTACCTCCATCATCCGCTCCTCCC  
 AGACGTCTCTGGTACCTGTGTAATGGACTCCGGAGCCCCCTCTGACGGGAGATCTGGGGGGCCCTTC  
 CAAGCGGGCCCGGCTGGCCTGCATCGACGGACAGCCATGAGGGCAGCTTGCAACTGAAGCTGCCGG  
 AAGCGGAGCTTCTGAAGCAGGAACCCGCGGATGAGTTTTAGAGCTCTTGGGCTCACCAGCAGGGCC  
 TGGCGCCCCCTATCCCCTGTCTCAGTTGCCGCTGGCCAAGCCTTGGAGGCTGGGGCTGGGCTGGC  
 AGGCAGGTGGTGGCCGGCGGCAGGCGTGCCGCTGGGTGGACTGCTGTGCAGCCTATGAGCAGCAGGAG  
 GAGCTGGTGGGCACATCGAGAAGAGCCACATCGACCAGCGCAAGGGCGAGGACTTACCTGCTTCTGGG  
 CTGGCTGCGTGGCCCGCTACAAGCCCTCAACGCCGCTACAAGCTGCTCATCCACATGCGAGTGCCTC  
 GGGCGAGAAGCCCAACAAGTGCATGTTGAAGGCTGCAGCAAGGCCTTCTCACGGCTGGAGAACCTCAAG  
 ATCCACCTGAGGAGCCACACGGGCGAGAAGCCGTACCTGTGCCAGCACCCGGGTTGCCAGAAGCCCTTCA  
 GCAACTCCAGCGACCCGCGCAAGCACCAGCGCACCCACCTAGACACGAAGCCGTACGCTGTGAGATCCC  
 TGGCTGCTCAAGCGCTACACAGACCCAGCTCCCTCCGAAGCAGCTCAAGGCCATTCAGCCAAAGAG  
 CAGCAGGTGCGTAAGAAGCTGCATGCGGGCCCTGACACCGAGGCCGACGCTCTGACCGAGTGTCTGGTCC  
 TGCAGCAGTCCACACGTCCACACAGCTGGCTGCCAGCGACGGCAAGGGTGGCTGTGGCCAGGA  
 GCTGCTCCAGGTGTGTATCCTGGCTCCATCACCCCCATAACGGACTTGCATCGGGCTCCTGCCCCCA  
 GCGCACGAGTACCTTCCAGGCACCACCCGCTGGATGCCACCACAGTCCACCACCATCTGTCCCTC  
 TGCCATGGCTGAGAGCACCCGGGATGGGTTGGGGCCCGGCTCCTCTACCAATAGTCAGCCCCCTGAA  
 GGGGCTGGGGCCACCGCCGCTGCCCCATCCTCTCAGAGCCATTCTCCGGGGGGCCAGCCCTTCCCCACA  
 CTCCCAGCAAGCCGCTTACCACCCCTCCAGAGCCCTCACCCCGCCTTGGCCAGCCACAAGGTT  
 ACCAGGGCAGTTTCCACTCCATCCAGAGTTGCTTCCCCTATGGCGACTGCTACCGGATGGCTGAACCAGC  
 AGCCGGTGGGGACGGACTGGTCGGGAGACCCACGGTTTCAACCCCTGCGGCCCAATGGCTACCACAGC  
 CTCAGCACGCCCTTGCTGCCACAGGCTATGAGGCCCTGGCTGAGGCCTCATGCCCCACAGCGCTGCCAC  
 AGCAGCCATCTGAAGATGTGGTGTCCAGCGGCCCGAGGACTGTGGCTTCTCCCAATGGAGCCTTTGA  
 CCACTGCCTGGGCCACATCCCCTCCATCTACACAGACACC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG211202 representing NM\_147193  
 Red=Cloning site Green=Tags(s)

MAEARTSLSAHCRGPLATGLHPDLPLPGRSLATPAPSCYLLGSEPSSGLLQPETHLPEGSLKRCCVLGL  
 PPTSPASSSPCASSDVTSIIRSSQTSLVTCVNLGRSPPLTGDLGGPSKRARPGPASTDSHEGSLQLEACR  
 KASFLKQEPADSELFQPHQQGLPPPYPLSQLPPGPSLGGGLGLAGRVVAGRQACRWVDCAAAYEQE  
 ELVRHIEKSHIDQRKGEDFTCFWAGCVRRYKPFNARYKLLIHMVHSGEKNKCMFEGCSKAFSRLNLK  
 IHLRSHTGEKPYLCQHPGCQKAFSNSSDRAKHQRTHLDTKPYACQIPGCSKRYTDPSSLRKHVKAHSAKE  
 QQVRKHLHAGPDTEADVLTECLVLQQLHTSTQLAASDGKGGCGLGQELLPGVYPGSITPHNGLASGLLPP  
 AHDVPSRHHPLDATTSSHHLSPLPMAESTRDGLGPLLSPIVSPLKGLGPPPLPPSSQSHSPGGQPFPT  
 LPSKPSYPPFQSPPPPPLPSPQGYQGSFHSIQSCFPYDCYRMAEPAAGGDGLVGETHGFNPLRPNGYHS  
 LSTPLPATGYEALAEASCPTALPQQPSEDVVSSEDPEDCGFFPNGAFDHCLGHIPSIYTD

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_147193

**ORF Size:** 1860 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\\_147193.2](#)

**RefSeq Size:** 2815 bp

**RefSeq ORF:** 1863 bp

**Locus ID:** 148979

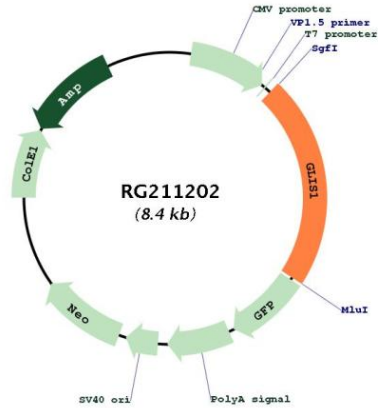
**UniProt ID:** [Q8NBF1](#)

**Cytogenetics:** 1p32.3

**Gene Summary:**

GLIS1 is a GLI (MIM 165220)-related Kruppel-like zinc finger protein that functions as an activator and repressor of transcription (Kim et al., 2002 [PubMed 12042312]).[supplied by OMIM, Mar 2008]

**Product images:**



Circular map for RG211202