

Product datasheet for **RG221197**

GRINA (NM_001009184) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GRINA (NM_001009184) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GRINA
Synonyms: HNRGW; LFG1; NMDARA1; TMBIM3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221197 representing NM_001009184
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCCATGAAAAGAGTTTTTTGGTGTCTGGGACAACATCCTCCCCCAACCCTGGATATCCGGGGG
 GGCCCCAGCCACCCATGCCCCCTATGCTCAGCCTCCCTACCCTGGGGCCCTTACCCACAGCCCTTT
 CCAGCCCTCCCCCTACGGTCAGCCAGGGTACCCCATGGCCCCAGCCCTACCCCAAGGGGGCTACCCA
 CAGGGTCCCTACCCCAAGGGGGCTACCCACAGGGCCCTACCCACAAGAGGGCTACCCACAGGGCCCT
 ACCCCCAAGGGGGCTACCCCAAGGGGGCATATCCCAGAGCCCTTCCCCCAACCCTATGGACAGCC
 ACAGGTCTTCCCAGGACAAGACCCTGACTCACCCAGCATGGAACTACCAGGAGAGGGTCCCCATCC
 TACTATGACAACCAGGACTTCCCTGCCACCAACTGGGATGACAAGAGCATCCGACAGGCCTTCATCCGCA
 AGGTGTTCTAGTGCTGACCTTGACGCTGTCGGTACCCTGTCCACGGTGTCTGTGTTCACTTTTGTTC
 GGAGGTGAAGGGCTTTGTCCGGGAGAAATGTCTGGACCTACTATGTCTCCTATGCTGTCTTCTCATCTCT
 CTCATCGTCTCAGCTGTTGTGGGACTTCCGGCGAAAGCACCCCTGGAACCTTGTGCACTGTCGGTCC
 TGACCCGACGCTGTCGTACATGGTGGGATGATCGCCAGCTTCTACAACACCGAGGCAGTCATCATGCC
 CGTGGGCATCACACAGCCGCTGCTTACCCTGTCATCTTCCATGCAGACCCGCTACGACTTCACC
 TCATGCATGGGCGTCTCCTGGTGAGCATGGTGGTGTCTTTCATCTTCCGCACTTCTGCATCTTCATCC
 GGAACCGCATCCTGGAGATCGTGTACGCTCACTGGGCGCTCTGCTTTCACCTGCTTCCCTCGCAGTGGA
 CACCCAGCTGCTGCTGGGAAACAAGCAGCTGTCCCTGAGCCAGAAGAGTATGTGTTGCTGCGCTGAAC
 CTGTACACAGACATCATCAACATCTTCTGTACATCCTCACCATCATTGGCCGCGCAAGGAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG221197 representing NM_001009184
 Red=Cloning site Green=Tags(s)

MSHEKSFLVSGDNYPNPGYPGGPQPPMPYAQPPYPGAPYPQPPFQPSYPYQPGYPHGSPYPQGGYP
 QGPYPQGGYPQGPYPQEGYPQGPYPQGGYPQGPYPQSPFPNYPGQPQVFPQDPDPSQHGNYQEEGPPS
 YYDNQDFPATNWDDKSIRQAFIRKVFLLVTLQLSVTLSTVSVFTFVAEVKGFVRENVWYVSYAVFFIS
 LIVLSCCGDFRRKHPWNLVALSVLTASLSYMGMIASFYNTEAVIMAVGITTAVCFTVVIFSMQTRYDFT
 SCMGVLLVSMVLFIFAILCIFIRNRILEIVYASLGALLFTCFLAVDTQLLLGNKQLSLSPVEYVFAALN
 LYTDIINIFLYILTIIGRAKE

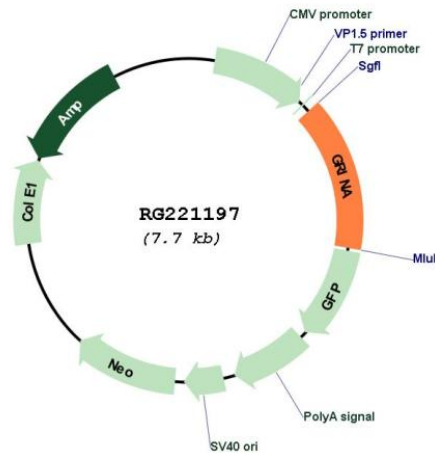
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009184

ORF Size:	1113 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:	NM_001009184.1 , NP_001009184.1
RefSeq Size:	1874 bp
RefSeq ORF:	1116 bp
Locus ID:	2907
UniProt ID:	Q7Z429
Cytogenetics:	8q24.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Potential apoptotic regulator.[UniProtKB/Swiss-Prot Function]