

Product datasheet for **RG205945**

GRINA (NM_000837) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRINA (NM_000837) 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:	>RG205945 representing NM_000837 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCATGAAAAGAGTTTTTTGGTGTCTGGGACAACATCCTCCCCCAACCCTGGATATCCGGGGG
GGCCCCAGCCACCCATGCCCCCTATGCTCAGCCTCCCTACCCTGGGGCCCTTACCCACAGCCCTTT
CCAGCCCTCCCCCTACGGTCAGCCAGGGTACCCCATGGCCCCAGCCCTACCCCAAGGGGGCTACCCA
CAGGGTCCCTACCCCAAGGGGGCTACCCACAGGGCCCTACCCACAAGAGGGCTACCCACAGGGCCCT
ACCCCAAGGGGGCTACCCAGGGGCCATATCCCAGAACCCTTCCCCCAACCCTATGGACAGCC
ACAGGTCTTCCCAGGACAAGACCCTGACTCACCCAGCATGGAACTACCAGGAGAGGGTCCCCATCC
TACTATGACAACCAGGACTTCCCTGCCACCAACTGGGATGACAAGAGCATCCGACAGGCCTTCATCCGCA
AGGTGTTCTAGTGTGACCTTGACGCTGTCGGTACCCTGTCCACGGTGTCTGTGTTCACTTTTGTTC
GGAGGTGAAGGGCTTTGTCCGGGAGAAATGTCTGGACCTACTATGTCTCCTATGCTGTCTTCTCATCTCT
CTCATCGTCTCAGCTGTTGTGGGACTTCCGGCGAAAGCACCCCTGGAACCTTGTGCACTGTCGGTCC
TGACCCAGCCAGCTGTCGTACATGGTGGGATGATCGCCAGCTTCTACAACACCGAGGCAGTCATCATGCC
CGTGGGCATCACACAGCCGTCTGCTTACCCTGTCATCTTCCATGCAGACCCGCTACGACTTCACC
TCATGCATGGGCGTCTCCTGGTGAGCATGGTGGTGTCTTTCATCTTCCGCACTTCTGCATCTTCATCC
GGAACCGCATCCTGGAGATCGTGTACGCTCACTGGGCGCTCTGCTCTTACCTGCTTCCCTCGCAGTGA
CACCCAGCTGCTGCTGGGAACAAGCAGCTGTCCCTGAGCCAGAAAGATATGTGTTGCTGCGCTGAAC
CTGTACACAGACATCATCAACATCTTCTGTACATCCTCACCATCATTGGCCGCGCAAGGAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205945 representing NM_000837
 Red=Cloning site Green=Tags(s)

MSHEKSFLVSGDNYPNPNPGYPGGPQPPMPPYAQPPYPGAPYPQPPFQPSYQPGYPHGSPYPQGGYP
 QGPYPQGGYPQGPYPQEGYPQGPYPQGGYPQGPYPQNPFPNYPGQPQVFPQDPSQHGNYQEEGPPS
 YYDNQDFPATNWDDKSIRQAFIRKVFLVLTQLSVTLSTVSVFTFVAEVKGFVRENVWYVSYAVFFIS
 LIVLSCCGDFRRKHPWNLVALSVLTASLSYMGMIASFYNTEAVIMAVGITTAVCFTVVIFSMQTRYDFT
 SCMGVLLVSMVLFIFAILCIFIRNRILEIVYASLGALLFTCFLAVDTQLLLGNKQLSLSPYVFAALN
 LYTDIINIFLYILTIIGRAKE

TRTRPLE - GFP Tag - V

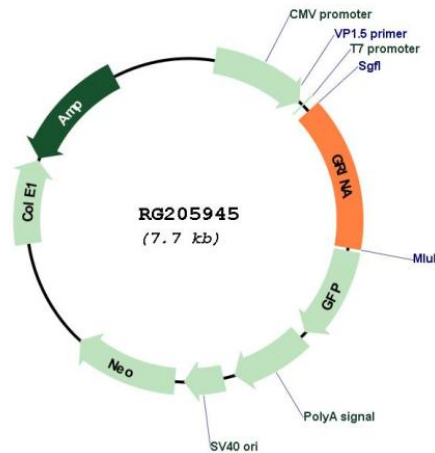
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_000837

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_000837.1 , NP_000828.1
RefSeq Size:	1986 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]