

Product datasheet for **RG213251**

GIN1 (NM_017676) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GIN1 (NM_017676) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GIN1
Synonyms:	GIN-1; TGIN1; ZH2C2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213251 representing NM_017676
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCCGTAGTGAAAAAATGGTGACCTTCATCTTAAACAGATTGCATATTACAAACGAACTGGTGAAT
 ATCATTCAACTACACTGCCAAGTGAGAGAAGTGGCATAAGAAGAGCAGCAAAAAATTTGTCTTCAAAGA
 AAAAAAGCTGTTTTATGTTGAAAAAGACAGAAAAACAAATCGTTTGGTAATTGTTTCAGAAGAGGAAAA
 AAGAAAGCTTAAAGAGAATGCCATGAAATGACAGTGGAGCTCATCATGGTATATCCAGGACCTCACTC
 TGGTAGAATCCAATTATTATTGGACATCTGTGACCAATGATGTCAAACAGTGGGTATATGCTTGTACGCA
 TTGCCAAGTGGCAAAAAATACAGTTATTGTAGCACCGAAACAGCACCTTCTCAAGGTGAAAAATCCATGG
 AGTTTAGTTACTGTTGATCTGATGGGGCCTTTTCATAACAAGCAACAGAAGTCATGTATATGCTATAATCA
 TGACAGATTTGTTACCAAAATGGATTGTGATTTTGCCTCTATGTGATGTTTCAGCATCAGAAGTTTCTAA
 AGCTATTATCAATATATTTTTCTTATATGGACCTCCTCAGAAAAATAAATGGACCAAAGAGATGAATTC
 ATTC AACAGATCAATATTGAACTGTACAGATTGTTTGGCATAAAGCAAATTTGTAATTTCTCACACCTCTG
 GAACTGTTAACCAACGGAAGTACACCTAACACAATCAAAGCATTCTCTCCAAACACTGTGCTGACCA
 CCCAAACAATTGGGATGATCACCTATCAGCTGTTTCATTTGCCTTCAATGTAACCTCACTTGGAACCTACT
 AAAAAACACCATATTTTCAAATGTTTAGTCGAAATCCTTATATGCCTGAGACTTCAGATAGTCTTCATG
 AAGTGGATGGTGATAATACAAGTATGTTTGCCAAAATCTAGATGCAATTAAGAAGCTGATAAAATAAT
 GGAGAATAAGACAACCTCACTGGGCCAGATGGAGAACAACAATTTGGATGAACTAAATAAAGCAAGATC
 ATTGTTAAAAAGAAACCCAAACAATTAATCCATTTCATTTAAAGTGGGTCATGAAGTTTAAAGACAAA
 GGAAAAATTGGTGAAGGATGGTCGTTTTCAGTCTGAATGGGTTGGTCTTGTGTATAGACTATATTAC
 AGAAAGTGGATGTGCTGCTGTGAGAGACAACACTGGGGTTAGACTGAAAAGACCTATCAAAATGTCCAC
 CTTAAGCCCTACATAAGAGAATCCAGTGAACAAGAAAGCTTTATCTCTTGAAGTTTCAGTAGTGGCAG
 ATCATGACTACATTGGATTGCCTGAAATCCGATTGGAGCATATCAAGCAAAATTTCTGGTGAAGATGC
 AACTATTGGTATAGTCGATAATGAATTACTGACATCAAGCAAGGATCGTGAATATTAGAATATAGAAAT
 ACGAAATCTCTCATTGATAGACGATCATAGTTCTCTTGAAAGCAGACTTTCACTGCTGTTGGACTCTT
 CAAACCAGGTTCTGAATACTTAAGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG213251 representing NM_017676
 Red=Cloning site Green=Tags(s)

MVRSGKNGDLHLKQIAYYKRTGEYHSTTLPSERSGIRRAAKKFVFKEKKLFYVGKDRKQNLVIVSEEEK
 KKVLRECHENDSGAHHGISRTLTLVESNYWTSVTNDVKQWVYACQHCQVAKNTVIVAPKQHLKVENPW
 SLVTVDLMPFHTSNRSHVYAIIMTDLFTKWIVILPLCDVSASEVSKAIINIFFLYGPPQKIIMDQDEF
 IQQINIELYRLFQIKQIVISHTSGTVNPTESTPNTIKAFLSKHCADHPNNWDDHLSAVSFAFNVTHLEPT
 KNTPYFQMF SRNPYPETSDSLHEVDGDNSTMF AKILDAIKEADKIMENKTTSLGQMENNLDLNLKSKI
 IVKKPKPKQLNPFHLKVGHEVLRQRKNWWKDRFQSEWVGPCVIDYITESGCAVLRDNTGVRLKRPKMSH
 LKPYIRESSEQESLYLLQGSVVADHDYIGLPEIPIGAYQANILVEDATIGIVDNELLSSKDRELLEYRN
 TKISPLIDHSSLEKQTFSLDSSNQVLEYLS

TRTRPLE – GFP Tag – V

Restriction Sites:

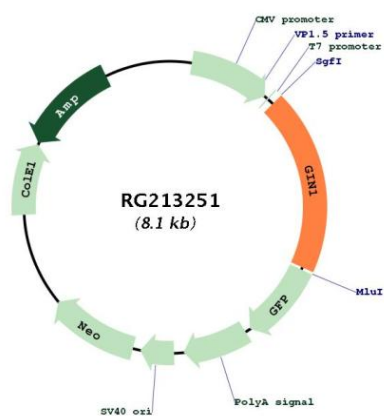
Sgfl-MluI

Cloning Scheme:


ACCN:	NM_017676
ORF Size:	1566 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_017676.2 , NP_060146.2
RefSeq Size:	3549 bp
RefSeq ORF:	1569 bp
Locus ID:	54826
UniProt ID:	Q9NXP7
Cytogenetics:	5q21.1

Domains: rve

Product images:



Circular map for RG213251