

Product datasheet for **RC213251**

GIN1 (NM_017676) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GIN1 (NM_017676) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GIN1
Synonyms:	GIN-1; TGIN1; ZH2C2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC213251 representing NM_017676
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCGTAGTGAAAAAATGGTGACCTTCATCTTAACAGATTGCATATTACAAACGAACTGGTGAAT
 ATCATTCAACTACACTGCCAAGTGAGAGAAGTGGCATAAGAAGAGCAGCAAAAAATTTGTCTTCAAAGA
 AAAAAAGCTGTTTATGTTGAAAAAGACAGAAAAACAAATCGTTTGGTAATTGTTTCAGAAGAGGAAAAA
 AAGAAAGCTTAAAGAGAATGCCATGAAATGACAGTGGAGCTCATCATGGTATATCCAGGACCCTCACTC
 TGGTAGAATCCAATTATTATTGGACATCTGTGACCAATGATGTCAAACAGTGGGTATATGCTTGTACGCA
 TTGCCAAGTGGCAAAAAATACAGTTATTGTAGCACCGAAACAGCACCTTCTCAAGGTGAAAAATCCATGG
 AGTTTAGTTACTGTTGATCTGATGGGGCCTTTTCATAACAAGCAACAGAAGTCATGTATATGCTATAATCA
 TGACAGATTTGTTACCAAAATGGATTGTGATTTTGCCTCTATGTGATGTTTCAGCATCAGAAGTTTCTAA
 AGCTATTATCAATATATTTTCTTATATGGACCTCCTCAGAAAAATAAATGGACCAAAGAGATGAATTC
 ATTCAACAGATCAATATTGAACTGTACAGATTGTTTGGCATAAAGCAAATTTGTAATTTCTCACACCTCTG
 GAACTGTTAACCACGAAAGTACACCTAACACAATCAAAGCATTCTCTCAAACACTGTGCTGACCA
 CCCAAACAATTGGGATGATCACCTATCAGCTGTTTCATTTGCCTTCAATGTAACCTCACTTGGAACCTACT
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 GGAAAAATTGGTGAAGGATGGTCGTTTTCAGTCTGAATGGGTTGGTCTTGTGTATAGACTATATTAC
 AGAAAGTGGATGTGCTGTCTGAGAGACAACACTGGGGTTAGACTGAAAAGACCTATCAAAATGTCCTCAC
 CTTAAGCCCTACATAAGAGAATCCAGTGAACAAGAAAGCTTTATCTCTTGAAGTTTCAGTAGTGGCAG
 ATCATGACTACATTGGATTGCCTGAAATCCGATTGGAGCATATCAAGCAAAATTTCTGGTGAAGATGC
 AACTATTGGTATAGTCGATAATGAATTACTGACATCAAGCAAGGATCGTGAATATTAGAATATAGAAAT
 ACGAAAACTCTCCATTGATAGACGATCATAGTTCTCTTGAAAAGCAGACTTTCAGTCTGTTGGACTCTT
 CAAACCAGGTTCTGAATACTTAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213251 representing NM_017676
 Red=Cloning site Green=Tags(s)

MVRSGKNGDLHLKQIAYYKRTGEYHSTTLPSERSGIRRAAKKFVFEKKLFYVGKDRKQNRLLVIVSEEEK
 KKVLRECHENDSGAHHGISRTLTLVESNYWTSVTNDVKQWVYACQHCQVAKNTVIVAPKQHLKVENPW
 SLVTVDLMGPFHTSNRSHVYAIIMTDLFTKWIVILPLCDVSASEVSKAIINIFFLYGPPQKIIMDQRDEF
 IQQINIELYRLFQIKQIVISHTSGTVNPTESTPNTIKAFLSKHCADHPNNWDDHLSAVSFAFNVTHLEPT
 KNTPYFQMF SRNPYPETSDSLHEVDGNTSMFAKILDAIKEADKIMENKTTSLGQMENNNDLDELNLSKI
 IVKKKPKQLNPFHLKVGHEVLRQRKNWWDGRFQSEWVGPCVIDYITESGCAVLRDNTGVRLKRPKMSH
 LKPYIRESSEQESLYLLQGSVVADHDYIGLPEIPIGAYQANILVEDATIGIVDNELLTSSKDRELLEYRN
 TKISPLIDHSSLEKQTFSLDSSNQVLEYLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1408_e08.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017676.2](#), [NP_060146.2](#)

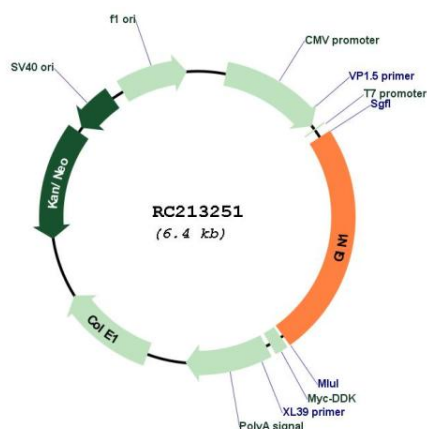
RefSeq Size: 3549 bp

RefSeq ORF: 1569 bp

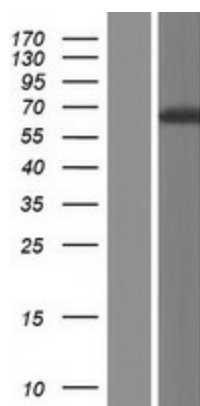
Locus ID: 54826

UniProt ID: Q9NXP7
 Cytogenetics: 5q21.1
 Domains: rve
 MW: 59.7 kDa

Product images:



Circular map for RC213251



Western blot validation of overexpression lysate (Cat# [LY413624]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213251 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).