

## Product datasheet for **RG213839**

### **RNF38 (NM\_022781) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RNF38 (NM_022781) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG213839 representing NM\_022781  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTTGAAGATATCTCCCGGGCCAATTCAGCATCTCTACCTGGCCATCCTAACAGGTGATTTGTG  
 AAAGGGTGAGACTTCAGAGCCTGTTCCCTCCTCCCAAGTGATCAGAACACTACCGTTCAAGAGGATGC  
 TCACTTCAAAGCTTTCTCCAGAGTGAAGATAGTCCAAGTCTAAGAGACAGCGCCTCTCTCATTAGTC  
 TTTGATTATACATCAGCATCACCAGCTCCCTCACCACCAATGCGACCATGGGAGATGACATCAAATAGGC  
 AGCCCCCTTCAGTTCGACCAAGCCAACATCACTTCTCAGGGGAACGATGCAACACACCTGCACGCAACAG  
 AAGAAGTCTCTGTGAGGCGCCAGAGAGGAAGAAGGGATCGTCTGTCTCGACATAATTCCATTAGTCAA  
 GATGAAAATATCACCATCTCCCTTACGCACAGCAGCAAGCAATAGAGGAGCCTCGAGCCTTCCACCCTC  
 CGAATGTATCTCCCGTCTGCTACATCCTGCTGCTCATCCACCCAGCAGAAATGCAGTATGTTGACAT  
 ACATGATCAGCTCCATCAAGGAACAGTCCCTGTTTCTTACACAGTAACAACAGTGGCACCACATGGGATT  
 CCACTCTGCACAGGCCAGCACATCCCTGCTGTAGTACACAGCAGTCCCAGGATGCTCTGTGGTTTTCA  
 GTGGACAGCACCTCCCTGTCTGTAGTGTGCCTCCTCCAATGCTTCAGGCATGTTCAAGTTCAGCACTTACC  
 AGTACCATATGCTGCATTCACCCCTTATTTCTAGTGATCCATTTCTTATACATCCTCCTCACCTTTCT  
 CCCCATCATCCTCCTCATTTGCCACCACCAGGCCAGTTTGTCCCTTTCCAACACAGCAATCACGATCGC  
 CTCTGCAAAGGATAGAAAATGAAGTGGAACCTTAGGAGAACATCTTCCAGTAGGAGGTTTTACTTACCC  
 TCCATCAGCCCACCCCAACATTACCTCCATCAGCTCCCTTGCAGTTCTAACACATGATCCTTTGCAT  
 CAGGAGGTGTCTTTGGAGTACCTTATCCTCCATTTATGCCTCGGAGGCTTACAGGACGTAGTAGATAAC  
 GATCCCAGCAGCCAATACCACCTCCCCTTATCATCCCAGTACTGCCATATGTGTTATCAATGCCTTCC  
 AGTGCCACCTGCAGTGGGCCCAACTTTCAGCTTTGAATTAGATGTAGAAGATGGAGAAGTAGAAAATTAC  
 GAGGCCCTGTAAACCTGGCAGAGCGACTGGGAGAGGCAAGCCTCGTGGACTGACTAAAGCAGATATTG  
 AACAACTCCTTCTTATCGGTTCAATCCTAACCAACCAGTCAAGCAGACTTTGTGTGTAGTATGCAT  
 GTGTGATTTTGTAGTCAAGGCAGCTACTTAGAGTCTTACCCTGTAACCACGAGTTCATGCCAAGTGTGT  
 GACAAATGGCTTAAGGCAATCGTACTTGCCCAATTTGCCGAGCTGATGCTTCAGAAGTGCATCGGGATT  
 CAGAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG213839 representing NM\_022781  
 Red=Cloning site Green=Tags(s)

MACKISPGANSASLPGHPNKVICERVRLQSLFPLLPSDQNTTVQEDAHFKAFFQSEDSPSPKRQRLSHSV  
 FDYTSASPAPSPMPRPWEMTSNRQPPSVRPSQHHSGERCNTPARNRRSPPVRRQRGRDRLSRHNSISQ  
 DENEYHLLPYAQQQAIIEPRAFHPNVSRLHPAAHPPQQNAVMDIHDQLHQGTVPVSYVTTVAPHGI  
 PLCTGQHIPACSTQQVPGCSVVFSGQHLPVCSVPPMLQACSVQHLVPVYAAFPLISSDPFLIHPHLS  
 PHHPPHLPVPPGFVPFQTQQSRSPQLRIENEVELLGEHLPVGGFTYPPSAHPPTLPPSAPLQFLTHDPLH  
 QEVSFVGYPPFMPRRLTGRSRYRSQQIPPPYHPSLLPYVLSMLPVPPAVGPTFSFELDVEDGEVENY  
 EALLNLAERLGEAKPRGLTKADIEQLPSYRFNPNNHQSEQLTLCVVMCDFESRQLLRVLPCHNEFHAKCV  
 DKWLKANRTCPICRADASEVHRDSE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_022781

**ORF Size:** 1545 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\\_022781.5](#)

**RefSeq Size:** 5101 bp

**RefSeq ORF:** 1548 bp

**Locus ID:** 152006

**UniProt ID:** [Q9H0F5](#)

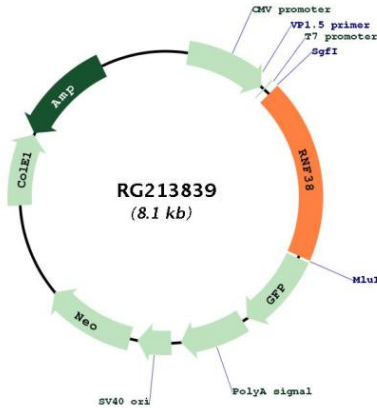
**Cytogenetics:** 9p13.2

**Domains:** RING

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a protein with a coiled-coil motif and a RING-H2 motif (C3H2C2) at its carboxy-terminus. The RING motif is a zinc-binding domain found in a large set of proteins playing roles in diverse cellular processes including oncogenesis, development, signal transduction, and apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]

**Product images:**



Circular map for RG213839