

Product datasheet for **RG207472**

RNF38 (NM_194332) Human Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence: >RG207472 representing NM_194332
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGCTTGTAAAGTGAAGATAGTCCAAGTCCTAAGAGACAGCGCCTCTCTCATTAGTCTTTGATTATA
CATCAGCATCACCAGCTCCCTCACCACCAATGCGACCATGGGAGATGACATCAATAGGCAGCCCCCTTC
AGTTTCGACCAAGCCAACATCACTTCTCAGGGGAACGATGCAACACACCTGCACGCAACAGAAGAAGTCTCT
CCTGTGAGGCGCCAGAGAGGAAGAAGGGATCGTCTGTCTCGACATAATTCATTAGTCAAGATGAAACT
ATCACCATCTCCCTTACGCACAGCAGCAAGCAATAGAGGAGCCTCGAGCCTTCACCCTCCGAATGTATC
TCCCCGTCTGCTACATCCTGCTGCTCATCCACCCAGCAGAATGCAGTCATGGTTGACATACATGATCAG
CTCCATCAAGGAACAGTCCCTGTTTCTTACACAGTAACAACAGTGGCACCACATGGGATTCCAATCTGCA
CAGGCCAGCACATCCCTGCTTGTAGTACACAGCAGGTCCAGGATGCTCTGTGGTTTTTCAGTGGACAGCA
CCTCCCTGTCTGTAGTGTGCTCCTCCAATGCTTCAGGCATGTTTCAGTTCAGCACTTACCAGTACCATAT
GCTGCATTCCACCCCTTATTTCTAGTGATCCATTTCTTATACATCCTCCTCACCTTTCTCCCCATCATC
CTCCTCATTGGCCACCACCAGGCCAGTTTGTCCCTTTCCAAACACAGCAATCACGATCGCCTCTGCAAAG
GATAGAAAATGAAGTGAAGTCTTAGGAGAACATCTTCCAGTAGGAGGTTTTACTTACCCTCCATCAGCC
CACCCCCAACATTACCTCCATCAGCTCCCTTGCAGTCTTAAACATGATCCTTTGCATCAGGAGGTGT
CCTTTGGAGTACCTTATCCTCCATTTATGCCTCGGAGGCTTACAGGACGTAGTAGATACCGATCCAGCA
GCCAATACCACCTCCCCCTTATCATCCAGCTTACTGCCATATGTGTTATCAATGCTTCCAGTGCCACCT
GCAGTGGGCCCACTTTTCAGCTTTGAATTAGATGTAGAAGTGGAGAAGTAGAAAATTACGAGGCCCTGT
TAAACCTGGCAGAGCGACTGGGAGAGGCAAGCCTCGTGGACTGACTAAAGCAGATATTGAACAATTCC
TTCTTATCGGTTCAATCTAACAACCACAGTCAGAACAGACTTTGTGTAGTATGCATGTGTGATTTT
GAGTCAAGGCAGCTACTTAGAGTCTTACCCTGTAAACCAGAGTTCCATGCCAAGTGTGTTGACAAATGGC
TTAAGGCAATCGTACTTGCCCAATTTGCCGAGCTGATGCTTCAGAAGTGCATCGGGATTTCAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



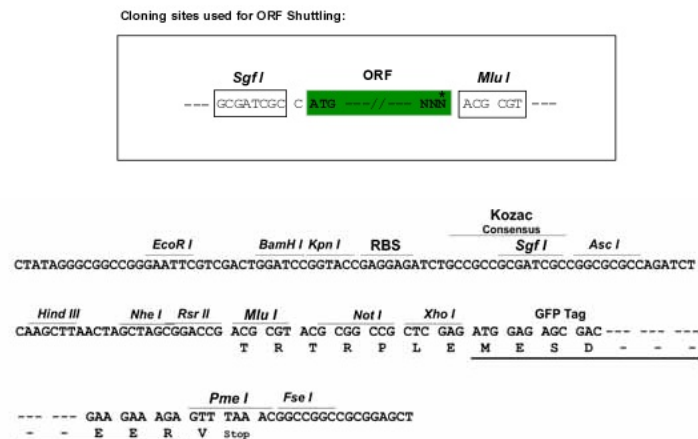
Protein Sequence: >RG207472 representing NM_194332
Red=Cloning site Green=Tags(s)

MACKSEDSPPSKRQRLSHSVFDYTSASPAPSPMPRPWEMTSNRQPPSVRPSQHHSFSGERCNTPARNRRSP
PVRQRGRDRRLSRHNSISQDENYHHLPPYAQQQAIEEPRAFHPPNVSPRLLHPAAHPPQQNAVMDIHDQ
LHQGTVPVSYTVTTVAPHGIPLCTGQHIPACSTQQVPGCSVVFSGQHLPVCSVPPMLQACSVQHLVPY
AAFPLISSDPFLIHPPHLSPHHPPHLPFGQFVPFQTQSRSPQLRIENEVELLGEHLPVGGFTYPPSA
HPPTLPPSAPLQFLTHDPLHQEVSFGVPYPPFMPRRLTGRSRYRSQQPIPPPPYHPSLLPYVLSMLPVPP
AVGPTFSFELDVEDGEVENYEALLNLAERLGEAKPRGLTKADIEQLPSYRFNPNNHQSEQLTLCVVCMDCF
ESRQLLRVLPCHNEFHAKCVDKWLKANRTCPICRADASEVHRDSE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_194332

ORF Size: 1395 bp

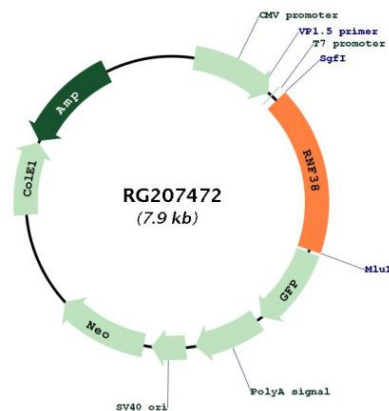
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_194332.2, NP_919313.1</u>
RefSeq Size:	5118 bp
RefSeq ORF:	1299 bp
Locus ID:	152006
UniProt ID:	<u>Q9H0F5</u>
Cytogenetics:	9p13.2
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 RG207472