

Product datasheet for **RG231124**

RNF138 (NM_001191324) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RNF138 (NM_001191324) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RNF138
Synonyms: hNARF; HSD-4; NARF; STRIN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231124 representing NM_001191324
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGATCCCCCTCCCCCTCCGGTTCATGTAGGGAGTCGGGCCCCGGGCCGCCACCGTCACCTCGGCC
GCTGCCGCTGTCGCCATCGCCTTGTTTCCCATCCCCGCCATGGCCGAGGACCTCTCTGCGGCCACGTC
CTACACCGAAGATGATTCTACTGCCCGTCTGTCAGGAGGTGCTCAAACGCCCGTCCGGACCACGGCC
TGTCAGCACGTTTTCTGTAGAAAATGTTTCCTGACTGCAATGAGGAAAGCGGAGCACATTGTCCCCTAT
GTCGTGAAAATGTGACTAGAAGAGAGAGAGCATGTCCTGAACGGGCCTTAGACCTTGAAAATATAATGAG
GAAGTTTTCTGGTAGCTGCAGATGCTGTGCAAAACAGATTAATTTCTATCGCATGAGACATCATTACAAA
TCTTGAAGAAGTATCAGGATGAATATGGTGTTCCTTCTATCATTCCAACTTTCAGATCTCTCAAGATT
CAGTAGGGAACAGCAATAGGAGTGAAACATCCACATCTGATAACACAGAACTTACCAAGAGAATACAAG
TTCTTCTGGTCATCCTACTTTTAAGTGTCCCCTGTGTCAAGAATCAAATTTACCAGACAGCGTTTACTG
GATCACTGTAACAGTAATCACCTATTTAGATAGTTCCCTGTGACATGTCTATTTGTGTCTCTTCCTT
GGGAGATCCTAGCCAGATTACCAGAAATTTGTTAGTCATCTAAATCAGAGACATCAATTTGATTATGG
AGAATTTGTGAATCTTCAGCTAGATGAAGAAACCAATACCAACTGCTGTTGAAGAATCTTTTCAAGTA
AACATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG231124 representing NM_001191324
 Red=Cloning site Green=Tags(s)

MRSPSPLRVHVGSRAPGRHRHLGRCRCRHLVSPSPAMAEDLSAATSYTEDDFYCPVCQEVLKTPVRTTA
 CQHVFCKKCFLTAMRESGAHCPLCRGNVTRRERACPERALDLENIMRKFSGSCRCCAKQIKFYMRHHYK
 SCKKYQDEYGVSSIIPNFQISQDSVGNRNSETSTSDNTETYQENTSSSGHPTFKCPLCQESNFTQRLL
 DHCNSNHLFQIVPVTCPICVSLPWGDPQITRNFVSHLNQRHQFDYGEFVNLQLDEETQYQTAVEESFQV
 NI

TRTRPLE - GFP Tag - V

Restriction Sites:

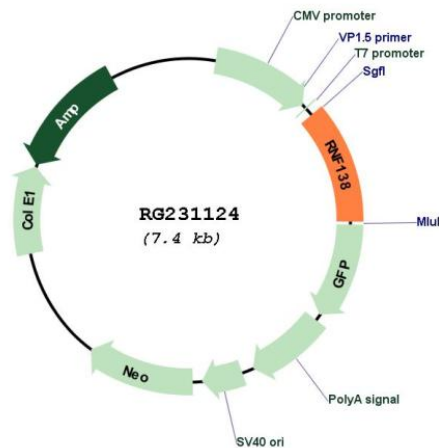
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001191324

ORF Size: 735 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_001191324.1 , NP_001178253.2
RefSeq Size:	3298 bp
RefSeq ORF:	738 bp
Locus ID:	51444
UniProt ID:	Q8WVD3
Cytogenetics:	18q12.1
Gene Summary:	The protein encoded by this gene contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-DNA and protein-protein interactions. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]