

Product datasheet for **RG207568**

RNF41 (NM_194358) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RNF41 (NM_194358) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RNF41
Synonyms: FLRF; NRDP1; SBBI03
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207568 representing NM_194358
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTATGATGTAACCCGTTTCCAGGGGGATGTTGACGAAGATCTTATCTGCCCTATTTGCAGTGGAG
TCTTGGAGGAGCCAGTACAGGCACCTCATTGTGAACATGCTTTCTGCAACGCCTGCATCACCCAGTGTT
CTCTCAGCAACAGACATGTCCAGTGGACCGTAGTGTGTGACGGTCGCCCATCTGCGCCAGTACCTCGG
ATCATGCGGAACATGTTGTCAAAGCTGCAGATTGCCTGTGACAACGCTGTGTTCCGGCTGTAGTCCGTTG
TCCGGCTTGACAACCTCATGTCTCACCTCAGCGACTGTGAGCACAACCCGAAGCGCCTGTGACCTGTGA
ACAGGGCTGTGGCCTGGAGATGCCCAAAGATGAGCTGCCCAACCATAACTGCATTAAGCACCTGCGCTCA
GTGGTACAGCAGCAGACACGCATCGCAGAGCTGGAGAAGACGTCAGCTGAACACAAACACAGCTGG
CGGAGCAGAAGCGAGACATCCAGCTGCTAAAGGCATACATGCGTGCAATCCGCAGTGTCAACCCCAACCT
TCAGAACCTGGAGGAGACAATTGAATACAACGAGATCCTAGAGTGGGTGAACTCCCTTACGCCAGCAAGA
GTGACCCGCTGGGGAGGGATGATCTCGACTCCTGATGTGTGCTCCAGGCTGTAATCAAGCGCTCCCTGG
TGGAGAGTGGCTGTCTGCTTCTATTGTCAACGAGCTGATTGAAAATGCCACGAGCGTAGCTGGCCCCA
GGTCTGGCCACACTAGAGACTAGACAGATGAACCGACGCTACTATGAGAACTACGTGCCAAGCGCATC
CCTGGCAAGCAGGCTGTTGTCGTGATGGCCTGTGAGAACCGACACATGGGGGATGACATGGTGAAGAGC
CAGGCCTTGTCATGATATTTGCGCATGGCGTGAAGAGATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207568 representing NM_194358
Red=Cloning site Green=Tags(s)

MGYDVTRFQGDVDEDLICPICSGVLEEPVQAPHCEHAFNCACITQWFSQQQTCPVDRSVVTV AHLRPVPR
 IMRNMLSKLQIACDNAVFGCSAVVRLDNLMSHLSDCEHNPKRPVTCEQGCGLEMPKDELPHNHCIKHLRS
 VVQQQQTRIAELEKTSAEHKKQLAEQKRDIQLLKAYMRAIRSVNPNLQNL EETIEYNEILEWVNSLQPAR
 VTRWGGMISTPDAVLQAVIKRSLVESGCPASIVNELIENAHERSWPQGLATLETRQMNRRYYENYVAKRI
 PGKQAVVVMACENQHMGDDMVQEPGLVMIFAHGVVEEI

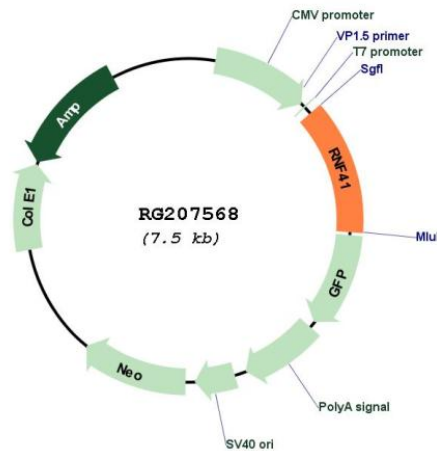
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_194358

ORF Size: 738 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_194358.1 , NP_919339.1
RefSeq Size:	3429 bp
RefSeq ORF:	741 bp
Locus ID:	10193
UniProt ID:	Q9H4P4
Cytogenetics:	12q13.3
Protein Pathways:	Endocytosis
Gene Summary:	This gene encodes an E3 ubiquitin ligase. The encoded protein plays a role in type 1 cytokine receptor signaling by controlling the balance between JAK2-associated cytokine receptor degradation and ectodomain shedding. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]