

Product datasheet for **RG216446**

RNF39 (NM_170769) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF39 (NM_170769) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF39
Synonyms:	FAP216; HZF; HZFW; LIRF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216446 representing NM_170769 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGTGGAGAGATTTGACGAGACTGAGACTCTGGTTGAAGAGAGAGGCAATCCAGGAGAGGGGCGGA
AAGCGGCAAAAGTTAATGCGGGAGTCGGAGAGAAGGGCATCTACACAGCAAGCAGAGGGGCGGCCCGCC
ATCTGCGCGCTCGAAGGCGGTACGGTGGTCGCGGAAGGGGCGGCGTCCAGATCTCGGCTTCCATGGAT
GCGCCCGAGCTGGGCCCGGGCTGGTGGAGCGTCTGGAGCAGCTGGCGACGTGTCCTCTGTGCGGGGGCT
CCTTCGAGGACCCGGTGTCTTGGCGTGGGAGCACAGCTTCTGCCGCGCTGTCTGGCCCGCGCTGGGG
GACTCCGCGCGGACCGGCACCGAGGCTTCCCCACCGCCTGTCCCTGCTGCGGCCGTGCCGTGTCCCGC
CGCAGCCTGAGGTCTAATGTGCGGCTGGCGGTGGAGGTGCGAATCAGCCGCGAGCTGCGAGAGAAGCTGG
CTGAGCCTGGGGCCCGTGGCGGGAGACGCCGAGGGGGGCGCATCCCCACCATGGGCTGCCTGGACCTGCC
CGGAGAGGATATGAGGAAGACATGGAGACGATTTGAAGTCCCAACATCCAAGTCACTAATTCAGAGGAT
GATCTCCCTGAAGATTATCCAGTGGTCAAAAAATGCTTCATAGACTGACAGCCGACCTGACCCCTGGACC
CTGGGACCGCACACCGCCGCTGCTCATCTCCGCCGACCGCCGACGCGTACAACCTGGCCCCACAGGGAC
GCCCGCGCCCCCTGACGGCCCCAAGCGCTTCAATCAGCTCCCAGCTGTGCTGGGTGGCAGGGCTTCGGG
GCCGGCCGCCACTGCTGGGAGGTGGAGACTGCGGACCCGCTCCTGCAGAGACTTTCTGGGGAGGATG
CGGACGACGAGGAGAGCCACTATGCAGTGGGCGCGCGCGGGAATCAGTGCAACGCAAGGGCTGCGCGCC
TGCCCCCTGGGGAGCGCATCTCCCGCTGTTCTGCACCTGCGACCCTCGTGCTCCGCTCCGATTGTA
CCAGCGGAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG216446 representing NM_170769
 Red=Cloning site Green=Tags(s)

MWWRDLTRLRLWLKREAIPEGGRKAAKVNAGVGEKGIYTASSRGGPPSARSKAVTVVAEGAASRSWL SMD
 APELGPGLVERLEQLATCPLCGGSFEDPVLLACEHSFCRACLARRWGTPPATGTEASPTACPCCLPCPR
 RSLRSNVRLAVEVRI SRELREKLAEPGARAGRRRGRIPTMGCLDLPGEDMRKTWRRFVPTSKSSNSD
 DLPEDYPVVKKMLHRLTADLTLDPGTAHRRLLISADRRSVQLAPPGTPAPPDGPGRFNQLPAVLGAQGF
 AGRHCWEVETADAASCRDSSGEDADDEESHYAVGAAGESVQRKGCAPGLGERIFPLFCTCDPRAPLRIV
 PAES

TRTRPLE - GFP Tag - V

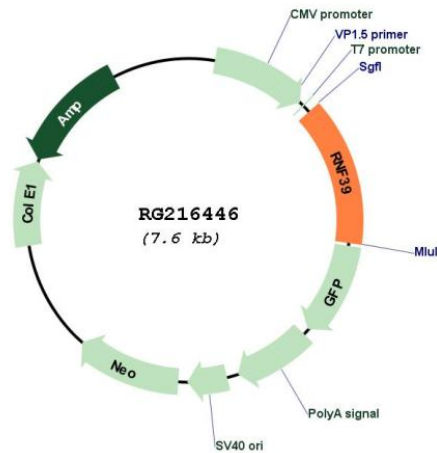
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_170769

ORF Size:	1062 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_170769.1 , NP_739575.1
RefSeq Size:	1989 bp
RefSeq ORF:	861 bp
Locus ID:	80352
UniProt ID:	Q9H2S5
Cytogenetics:	6p22.1
Protein Families:	Druggable Genome
Gene Summary:	This gene lies within the major histocompatibility complex class I region on chromosome 6. Studies of a similar rat protein suggest that this gene encodes a protein that plays a role in an early phase of synaptic plasticity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]