

Product datasheet for **RR214664**

Rnf39 (NM_134374) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf39 (NM_134374) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf39
Synonyms:	Hzfw1; Lirf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214664 representing NM_134374 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGTTCCCGAGCTGGGCCCGGGTTGGTGGAGCGTCTGGAGCAGCTGGCGACGTGTCGCTGTGCG
GGGGCCCTTCGAGGACCCAGTCTGCTGGCGTGCAGCACAGCTTTCGCCGTCGTCGCTGGCGCGCTG
CTGGGGTCCCGCGCGCCCGCTCGGAGGAGCGACCCCGTCTGCCCTGCTGTGGTCAGCCGTGC
CCCAGACGCAGCCTGAGGTCTAACGTGCGACTTGCAGTGGAGGTGCGCATCAGCCCGGGCTGCGTGAGA
AACTGGCCGAGCCCGGGCCCGACCGGAGACGACGCGCGGCCGCATCCCAACATGGGCTGCCTGGA
TCCCAAGGAGAGGATATGAGAAAGACATGGAGACGATTCGATGTCCCGTACCAAGTCATCTAACTCA
GAGGAGGATCTCCCTGAAGATTACCCCGTGGTAAAAACATGCTTCACAGACTGACAGCTGACCTGACGC
TCGACCCTCGCACTGCACATCGTGATCTGCTCATCTCCTCTGACTACCGCGCGTGAGTCTGGCTCCACC
CGGAACGCCTGTGCCGCTGGACAGCCCCGAGCGCTTCGATCGGCTCCGGGCTGTGTTGGGTGCGCAGGGC
TTCGCGTCAGGTGCGCACTGCTGGGAGGTGGAGACCGCGGAAGGCGCGTCTTCAGAGACTCTCTGGCGA
AGGATGAGGACGCAGGAGAGAGCTGCTACGCTGTGGCGCTGCGGGGAGTCCGTGACGCGCAAGGGCCT
CATCAAGCTGTGCCATCCGAGGCTATATGGCCGTGGAGGGCCCGCGCGCCGCTGTGGGCGCTCAGC
GCTCCAGAGCCCACTCTACTAGGTGGCGCCAGGCCCGCCGCGCAGCGCATTGCGTGGACTGGACTGGG
AGCGGGTCTGTGGCCTTCTATGATGGCCGCTCATTGGACTTGTCTTCGCTTCCAGGCGCCGGGCC
GCTCGGGGAGCGTGTCTCCCACTGCTCTGCACTTGTGACCCCGCGCCCACTGCGTATTGTGCCAGGA
GAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR214664 representing NM_134374
Red=Cloning site Green=Tags(s)

```
MEVPELGPGLVERLEQLATCPLCGPFEDPVLLACEHSFCRSCLARCWGSPAAPGSEEATPSCPCCGQPC
PRRSLRSNVRLAVEVRI SRGLREKLAEPGARTGRRRGGRIPTMGCLDPQGEDMRKTWRRFDVVPKSSNS
EEDLPEDYPVVKNNMLHRLTADLTDPRTAHRDLLISSDYRGVSLAPPGTPVPLDSPERFDRLRAVLGAQG
FASGRHCWEVETAEGACFRDSLAKDEDAGESCYAVGAAGESVTRKGLIKLCPSEAIWAVEGRGRLWALT
APEPTLLGGARPPPQIRIVDLDERGRVAFYDGRSLDLLFAFQAPGPLGERVFPLLCTCDPRAPLRIVPG
EA
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_134374

ORF Size: 1056 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_134374.2](#), [NP_599201.1](#)

RefSeq Size: 2001 bp

RefSeq ORF: 1059 bp

Locus ID: 171387

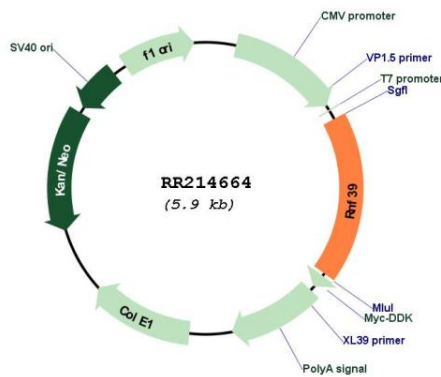
UniProt ID: [Q920M2](#)

Cytogenetics: 20p12

MW: 38.3 kDa

Gene Summary: expression is induced during long-term potentiation; may play a role in synaptic plasticity [RGD, Feb 2006]

Product images:



Circular map for RR214664