

Product datasheet for **RR208566**

Rnf114 (NM_001001517) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf114 (NM_001001517) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf114
Synonyms:	Zfp313; Znf313
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208566 representing NM_001001517 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGCGCGCAGCCGGAGTCCCGCGACGGAGCCGCGCAGTCGGCGAAGCCGGCGTCCGAACTGACC
CTCTCAGCCGCTTACGTGTCCCGTGTGCCTGGAAGTGTTCGAGAAGCCCGTGCAGGTGCCCTGCGGACA
CGTCTTTTGTCTGCATGCCTGCAGGAATGTCTGAAGCCGAAGAAGCCTGTCTGTGGCGTGTGCCGAGT
GCTCTGGCGCCTGGCGTCCGGGCTGCGGAGCTGGAGCGGCAGATCGAGAGCATAGAGACCTTTGCCATG
GCTGCCGTAAGGATTTTGTCTATCTAAGATCCGGGCCACGTGGCTTCATGTTCCAAATACCAGAGTTA
CATCATGGAAGGTGTAAGGCCACTACCAAGGATGCATCCCTTCAGCAGAGAAATGTCCCAAACCGATAC
ACCTTTCTTGTCTTATTGTCCCGAGAAGAACTTTGATCAGGAAGGACTTGTGGAGCACTGCAAACCTCA
CTCACAGCACGGATACCAAGTCTGTGGTTTGTCCCATATGTGCCTCGATGCCCTGGGGAGACCCAGCTA
CCGAGTGCCAACTTCATGGAGCATATCCAGCGCCGCCACCGCTTTTCTACGACACTTTTGTGGATTAT
GATGTTGACGAAGATGACATGATAAACCAGGTGTTACAACGCTCCATCATCGACCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208566 representing NM_001001517
Red=Cloning site Green=Tags(s)

MAAAQPESRDGAAQSAKPASETDP LSRFTCPVCLVEFVKPVQVPCGHVFC SACLQECLKPKPKVPCGVCRS
 ALAPGVRAAELERQIESIETSCHGCRKDFVLSKIRAHVASCSKYQSYIMEGVKATTKDASLQQRNVPNRY
 TFPCPYCPEKNFDQEGLVEHCKLTHSTDTKSVVCPICASMPWGDPSYRSANFMEHIQRRHRFSYDTFVDY
 DVDEDDMINQVLQRSIIDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

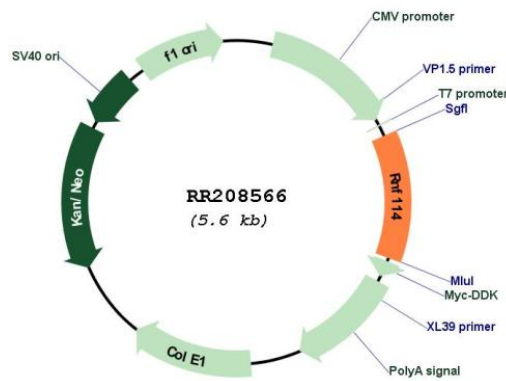
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001001517

ORF Size: 687 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_001001517.1 , NP_001001517.1
RefSeq Size:	2138 bp
RefSeq ORF:	690 bp
Locus ID:	362277
UniProt ID:	Q6J2U6
Cytogenetics:	3q42
MW:	25.7 kDa
Gene Summary:	human homolog may play a role in spermatogenesis and fertility [RGD, Feb 2006]