

Product datasheet for **RR212668**

Rnf38 (NM_134467) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf38 (NM_134467) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf38
Synonyms:	Oip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212668 representing NM_134467 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGACCATGGGAGATGACATCAAATAGGCAGCCCCCTTCAGTTCGACCAAATCAGCATCACTTCTCAG
GGGAACGATGTAAACACACCTGCACGCAACAGGAGAAGTCTCCTGTTAGGCGTCAGCGAGGAAGAAGGGA
ACGTCTGTCTCGACATAATTCCATTAGTCAAGATGAAAACATCACCATCTCCCTTATGCACAACAGCAA
GCAATAGAGGAACCTCGAGCCTCCACCCTCCGAATGTATCTCCCGTCTGTTACATCCAGCTGCTCATC
CACCCAGCAGAATGCAGTCATGGTTGACATACATGACCAGCTCCATCAAGGAACAGTTCCTGTCTCCTA
CACTGTAACCACAGTGGCGCCCCATGGGATTCCTCTGACAGGCCAGCACATCCCTGCTTGCAGTACA
CAACAGTCCCAGGATGCTCTGTTGTTTCAGTGGACAGCACCTCCCTGTCTGTAGTGTGCCTCCTCCAA
TGCTTCAGGCATGTTCACTTCAGCACTTGCAGTACCATATGCTGCGTCCACCCTCATTCTAGTGA
TCCGTTTCTTCTACATCCTCCTCATCTTCTCCCATCATCTCCTCACTTGCACCACCAGGCCAGTTT
GTCCCTTCCAAACACAGCAGTCAGCATCGCCTCTGCAGAGGATAGAAAATGAAGTGGAGCTCTTAGGAG
AACATCTTCAAGTAGGCAGTTTCACTTATCCCCCTTCGGCCACCCCAACATTACCTCGTCAGCTCC
TTTGCAGTTCCTGACACATGACCCTTTCATCAGGAGGTGCTTTGGAGTACCTTATCCACCATTTATG
CCTCGGAGACTCACAGGACGTAGCAGATACCGATCCCAGCAGCCAGTGGCCCCCTCTACCTACCATCCCA
GCTTACTGCCATATGTGTATCAATGCTTCCAGTCCACCTACAGTCGGCCCAACCTTACGCTTTGAATT
GGATGTGGAAGATGGAGAAGTTGAAAATTACGAAGCCCTGTTAAACCTGGCAGAGAGACTGGGAGAGGCG
AAACCTCGGGACTGACTAAAGCGGATATTGAACAGCTCCCTTTTACAGGTTCAACCTAGCAACCACC
AGTCAGAGCAGACTTTGTGTAGTATGCATGTGTGATTTTGTAGTCAAGGCAGCTTCTTAGAGTCTTACC
CTGTAACCACGAGTTCATGCCAAGTGTGTTGATAAATGGCTTAAGGGAAATCGTACTTGCCCAATTTGC
CGAGCTGATGCTTCTGAAGTGCACCGGATTTCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR212668 representing NM_134467
Red=Cloning site Green=Tags(s)

MRPWEMTSNRQPPSVRPNQHHFSGERCNTPARNRRSPPVRRQRGRERLSRHNSISQDENYHHLPYAQQQ
 AIEEPRAFHPNVSRLHHPAAHPPQNAVMDIHDQLHQGTVPVSYTVTAVPHGIPLCTGQHIPACST
 QQVPGCSVVFSGQHLPCVSVPPMLQACSVQHLVPYAAFPPLISSDPFLHPPHLSPHHPPHLPVPPGQF
 VPFQTQQSRSPQLQRIENEVELLGEHLQVGSFTYPPSAHPPTLPPSAPLQFLTHDPLHQEVSFVGPYPPFM
 PRRLTGRSRYRSQQPVPPPTYHPSLLPYVLSMLPVPPTVGPTFSFELDVEDGEVENYEALLNLAERLGEA
 KPRGLTKADIEQLPFYRFNPSNHQSEQTLCVVCMCDFESRQLLRVLPNHEFHAKCVDKWLKGNRTCPIC
 RADASEVHRDSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

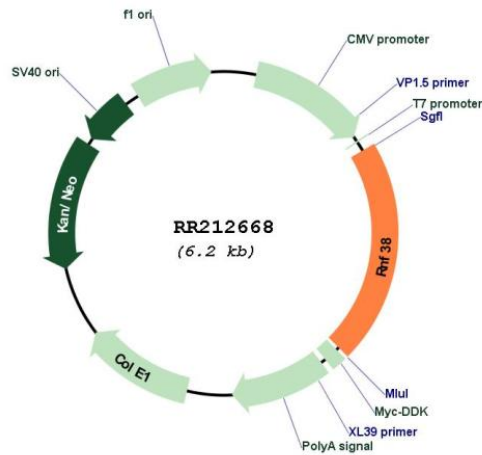
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_134467

ORF Size:	1296 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_134467.1 , NP_604462.1
RefSeq Size:	1709 bp
RefSeq ORF:	1299 bp
Locus ID:	171501
Cytogenetics:	5q22
MW:	48.7 kDa
Gene Summary:	binds conserved Cys-Gly-Pro repeats in the sperm tail outer dense fiber protein Odf1; may play a role in spermatid development [RGD, Feb 2006]