

## Product datasheet for **RC229940**

### RNF32 (NM\_001184996) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF32 (NM_001184996) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF32
Synonyms:	FKSG33; HSD15; LMBR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229940 representing NM_001184996 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTAAAAAATAAGGGTCACTCATCTAAGAAAGATAAAGTGGCAGTCAATGCAGTTGCTTTACAAGATC  
ACATTTTACATGATCTTCAACTTCGAAATCTTTCAGTTGCAGATCATTCTAAGACACAAGTACAAAAAGAA  
AGAGAACAATCTCTAAAAAGAGATACAAAGGCAATAATAGATACTGGACTTAAAAAACTACACAGTGC  
CCCAAAGTACAAGACTCAGAAAAAGAATATGTTCTTGATCCCAAACCGCCGCGTTGACTTTGGCACAGA  
AGTTGGGCTCATTGGGCTCCACCACCTCCACTGTCATCAGATGAATGGGAGAAGGTGAAACAGCGCTC  
TCTCCTGCAAGGGGACTCCGTGCAACCATGCCCATCTGTAAAGAAGAATTCGAGCTTCGTCTCAGGTG  
CTGCTTTCATGCTCCCATGTGTTCCACAAGCATGTCTTCAGGCTTTTGAAAAGTTCACAAATAAGAAAA  
CCTGCTCTCTGTAGAAAGAACCAGTATCAAACCCGAGTGATACACGATGGGGCCCGCCTGTTCAAGAT  
CAAGTGTGTGACCAGAATCCAAGCTACTGGAGAGGATGTGTTGTAGAAAAGTGGTACAGAAACCTGAGG  
AAAACAGTACCTCCACAGATGCCAAGTTAAGAAAAAATCTTTGAAAAAAGTTCACAGAAATCAGCC  
ACCGCATCCTGTGCTCATACAACCAACATTGAAGAGCTCTTTCAGAAATCGATCAGTGTGTTGGCCAT  
AAATCGAAGTGTCTTTCAGCAGTTGGAAGAAAAATGTGGCCATGATACAGAAAGGAATGGGAGAAA  
ATCCAAGTGCAGGCTCTGCGCCGGGAGACCCACGAGTGCCTCCATCTGCTGCGCCCTCTCCGCTGCTG  
CGGTCAGCGCGTGGGTGCAGGCAGGCGTTCAGAGAGATGGCCCTCCTGTCTGCTCAGATGTGTTCCA  
CCATGCGTGTCTGCTGGCACTAGAGGAGTTCTCGTGGGAGACAGGCCTCCTTCCATGCCTGCTCTCT  
TGCCGCTCCTGCTACCAGAAGAAGATTCTGAATGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC229940 representing NM\_001184996  
Red=Cloning site Green=Tags(s)

MLKNKGHSSKKDNLAVNAVALQDHLHDLQLRNLSVADHSKTQVQKQKSLKRDTKAIIDTGLKKTQC  
 PKLEDSEKEYVLDPKPPPLTLAQLGLIGPPPPPLSSDEWEKVKQRSLLQGDSVQPCPICKEEFELRPQV  
 LLSCSHVFHKAQLQAFEKFTNKKTCPLCRKNQYQTRVIHDGARLFRIKCVTRIQAYWRGCVVRKWYRNL  
 KTVPPPTDAKLRKKFFFEKKFTEISHRILCSYNTNIEELFAEIDQCLAINRSVLQQLLEEKCGHEITEEWEK  
 IQVQALRRETHECSICLAPLSAAGGQVRGAGRRSREMLLSCSHVFHHAALLALEEF SVGDRPPFHACPL  
 CRSCYQKKILEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8054\\_g10.zip](https://cdn.origene.com/chromatograms/mk8054_g10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001184996

**ORF Size:** 1086 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\\_001184996.1](#), [NP\\_001171925.1](#)

**RefSeq ORF:** 1089 bp

**Locus ID:** 140545

**UniProt ID:** [Q9H0A6](#)

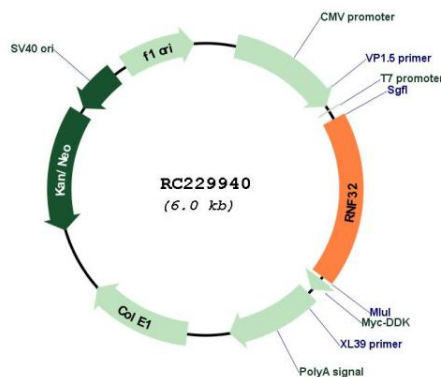
**Cytogenetics:** 7q36.3

**Protein Families:** Druggable Genome

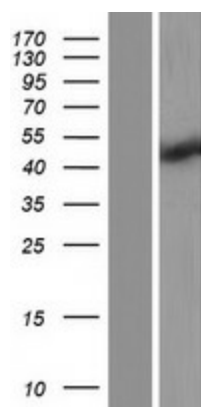
**MW:** 42 kDa

**Gene Summary:** The protein encoded by this gene contains two RING ring finger motifs. RING finger motifs are present in a variety of functionally distinct proteins and are known to be involved in protein-DNA or protein-protein interactions. This gene was found to be expressed during spermatogenesis, most likely in spermatocytes and/or in spermatids. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2015]

## Product images:



Circular map for RC229940



Western blot validation of overexpression lysate (Cat# [LY432940]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229940 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).