

Product datasheet for **RC227333**

PUF60 (NM_001136033) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PUF60 (NM_001136033) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PUF60
Synonyms:	FIR; RoBPI; SIAHBP1; VRJS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227333 representing NM_001136033
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAACGGGCAGAGCACAGCCGCCAAGCTGGGGCTGCCTCCCCTGACGCCCCAGCAGCAGGAGGCC
 TTCAGAAGGCCAAGAAGTACGCCATGGAGCAGAGCATCAAGAGTGTGCTGGTGAAGCAGACCATCGCGCA
 CCAGCAGCAGCAGCTCACCAACCTGCAGATGGCAGCAGTGACAATGGGCTTTGGAGATCCTCTCTCACCT
 TTGCAATCGATGGCGGCTCAGCGGCAGCGGGCGCTGGCCATCATGTGCCGCTCTACGTGGGCTCTATCT
 ACTATGAGCTGGGGGAGGACACCATCCGCCAGGCCTTTGCCCTTTGGCCCCATCAAGAGCATCGACAT
 GTCCTGGGACTCCGTACCATGAAGCACAAGGGCTTTGCCTTCGTGGAGTATGAGGTCCCGAAGCTGCA
 CAGCTGGCCTTGAGCAGATGAAGTCCGGTATGCTGGGGGCAGGAACATCAAGTGGGCAGACCCAGCA
 ACATAGGGCAGGCCAGCCATCATAGACCAGTTGGCTGAGGAGGCACGGGCCTCAACCGCATCTACGT
 GGCTCTGTGCACCAGGACCTCTCAGACGATGACATCAAGAGCGTGTGAGGCCCTTTGGCAAGATCAAG
 TCCTGCACACTGGCCCGGACCCACAACCTGGCAAGCACAAGGGCTACGGCTTCATTGAGTACGAGAAGG
 CCCAGTCGTCCTCAAGATGCTGTGTCTTCCATGAACCTCTTTGACCTGGGTGGCCAGTACTTGGGGTGGG
 CAAGGCTGTACACCCGCCATGCCCTACTCACACCAGCCACGCCTGGAGGCCTCCACCTGCCGCTGCT
 GTGGCAGCTGCTGCAGCCACTGCCAAGATCACAGCTCAGGAAGCAGTGGCCGGAGCAGCGGTGCTGGGTA
 CCCTGGGCACACCTGGACTGGTGTCCCCAGCACTGACCTGGCCAGCCCTGGGCACCTTTGCCCCAGGC
 TGTGATGGCTGCCAGGCACCTGGAGTATCACAGGTGTACCCAGCCCGTCTCTATCCCGGTCAAC
 ATCCCTCGTGGGAGTGGTGAACCCATCCTGGCCAGCCCTCCAACGCTGGGTCTCTGGAGCCCAAGA
 AGGAGAAGAAGAAGAGGAGCTGTTCCCGAGTCAGAGCGGCAGAGATGCTGAGCGAGCAGGAGCACAT
 GAGCATCTCGGGCAGTAGCGCCCGACACATGGTATGCAGAAGCTGCTCCGCAAGCAGGAGTCTACAGTG
 ATGTTTCTGCGCAACATGGTGGACCCCAAGGACATCGATGATGACCTGGAAGGGGAGGTGACAGAGGAGT
 GTGGCAAGTTCGGGGCCGTGAACCGCGTATCATCTACCAAGAGAAAACAAGGCGAGGAGGAGGATGCAGA
 AATCATTGTCAAGATCTTTGTGGAGTTTCCATAGCCTCTGAGACTCATAAGGCCATCCAGGCCCTCAAT
 GGCCGCTGGTTTGTGGCCGAAGGTGGTGGCTGAAGTGTACGACCAGGAGCGTTTTGATAACAGTGACC
 TCTCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227333 representing NM_001136033
 Red=Cloning site Green=Tags(s)

MENGQSTAAKLGPPLTPEQQEALQKAKKYAMEQSIKSVLVKQTIHQQQQLTNLQMAAVTMGFGDPLSP
 LQSMAAQRORALAIMCRVYVGSIIYELGEDTIRQAFAPFGPIKSIDMSWDSVTMKHKGFVVEYEVPEAA
 QLALEQMNSVMLGGRNIKVGRPSNIGQAQPIIDQLAEEARAFNRIYVASVHQDLSDDDIKSVFEAFGKIK
 SCTLARDPTTGKHKGYGFIYEKAQSSQDAVSSMNLFDLGGQYLRVGVKAVTPPMPLLTPATPGGLPPAAA
 VAAAAATAKITAQEAVAGAAVLGTLGTPGLVSPALTLAQPLGTLPAVMAAQAPGVTGVTARPPIPVT
 IPSVGVVNPILASPTLGLLEPKKEKEEEELFPESERPEMLSEQEHMSISGSSARHMVMQKLLRKQESTV
 MVLRNMDPKDIDDDLEGEVTEECGKFGAVNRVIIYQEKQEEEDAEEIVKIFVEFSIASETHKAIQALN
 GRWFAGRKVVAAEVYDQERFSDLSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001136033

ORF Size: 1548 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_001136033.3](#)

RefSeq Size: 1967 bp

RefSeq ORF: 1551 bp

Locus ID: 22827

UniProt ID: [Q9UHX1](#)

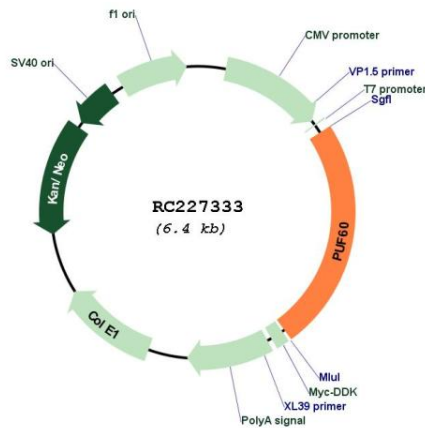
Cytogenetics: 8q24.3

Protein Pathways: Spliceosome

MW: 55.7 kDa

Gene Summary: This gene encodes a nucleic acid-binding protein that plays a role in a variety of nuclear processes, including pre-mRNA splicing and transcriptional regulation. The encoded protein forms a complex with the far upstream DNA element (FUSE) and FUSE-binding protein at the myelocytomatosis oncogene (MYC) promoter. This complex represses MYC transcription through the core-TFIID basal transcription factor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]

Product images:



Circular map for RC227333