

Product datasheet for **RC234431**

PUF60 (NM_001271098) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PUF60 (NM_001271098) 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:

>RC234431 representing NM_001271098
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACGGCGACCATAGCTCTCGTCAATGGCCAGCAAGGAGGGGGTCCGAGCCGGCGCGCGCGCG
 CAGTGGTGGCAGCGGAGACAAATGAAACCTCCACAGGGCACAGACTCCATCAAGATGGAGAACGGGCA
 GAGCACAGCCGCAAGCTGGGGTGCCTCCCCTGACGCCGAGCAGCAGGAGGCCCTTCAGAAGGCCAAG
 AAGTACGCCATGGAGCAGAGCATCAAGAGTGTGCTGGTGAAGCAGACCATCGCGCACCAGCAGCAGCAGC
 TCACCAACCTGCAGATGGCAGCAGTGAATGGGCTTTGGAGATCCTCTCTCACCTTTGCAATCGATGGC
 GGCTCAGCGGCAGCGGGCTGGCCATCATGTGCCGCTCTACGTGGGCTCTATCTACTATGAGCTGGGG
 GAGGACACCATCCGCCAGGCCTTTGCCCTTTGGCCCCATCAAGAGCATCGACATGTCTGGGACTCCG
 TCACCATGAAGCACAAGGGCTTTGCCTTCGTGGAGTATGAGGTCCCCGAAGCTGCACAGCTGGCCTTGA
 GCAGATGAACTCGGTGATGCTGGGGGCGAGAACATCAAGTGGGCGAGCCAGCAACATAGGGCAGGCC
 CAGCCCATCATAGACCAGTTGGCTGAGGAGGCACGGGCCTTCAACCGCATCTACGTGGCCTCTGTGACC
 AGGACCTCTCAGACGATGACATCAAGAGCGTGTGGAGGCCTTTGGCAAGATCAAGTCTGCACACTGGC
 CCGGGACCCACAACCTGGCAAGCACAAGGGCTACGGCTTCATTGAGTACGAGAAGGCCAGCTCGTCCCAA
 GATGCTGTGTCTTCCATGAACCTCTTTGACCTGGGTGGCCAGTACTTGGGGTGGCAAGGCTGTACAC
 CGCCATGCCCTACTCACACCAGCCAGCCTGGAGGCCTCCACCTGCCGCTGTGTGGCAGCTGCTGC
 AGCCACTGCCAAGATCACAGCTCAGGAAGCAGTGGCCGGAGCAGCGGTGCTGGGTACCCTGGGCACACCT
 GGACTGGTGTCCCAGCACTGACCCTGGCCAGCCCTGGGCACCTTTGCCCCAGGCTGTCAATGGCTGCC
 AGGCACCTGGAGTATCACAGGTGTGACCCAGCCGCTCCTCTATCCCGGTACCATCCCCTCGTGGG
 AGTGGTGAACCCATCCTGGCCAGCCCTCCAACGCTGGGTCTCCTGGAGCCCAAGAAGGAGAAGGAAGAA
 GAGGAGCTGTTTCCGAGTCAGAGCGGCCAGAGATGCTGAGCAGCAGGAGCAGATGAGCATCTCGGGCA
 GTAGCGCCGACACATGGTATGCAAGAAGTCTCCGCAAGCAGGAGTCTACAGTATGTTCTGCGCAA
 CATGGTGGACCCCAAGGACATCGATGATGACCTGGAAGGGGAGGTGACAGAGGAGTGTGGCAAGTTCGGG
 GCCGTGAACCGCGTCATCATCTACCAAGAGAAACAAGGCGAGGAGGAGTGCAGAAATCATTGTCAAGA
 TCTTTGTGGAGTTTTCCATAGCCTCTGAGACTCATAAGGCCATCCAGGCCCTCAATGGCCGCTGTTTGG
 TGGCCGAAGGTGGTGGCTGAAGTGTACGACCAGGAGCGTTTTGATAACAGTGACCTCTCTCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234431 representing NM_001271098
 Red=Cloning site Green=Tags(s)

MATATIALVNGQQGGSEPA AAAAVVAAGDKWPPQGTDSIKMENGQSTAAKLGLPLTPEQQEALQKAK
 KYAMEQSIKSVLVKQTIHQQQQLTNLQMAAVTMGFGDPLSPLQSMQAQRQALAIMCRVYVGSIIYELG
 EDITIRQAFAPFGPIKSIDMSWDSVTMKHKGFVFEYEVPEAAQLALEQMNSVMLGGRNIKVGRPSNIGQA
 QPIIDQLAEERAFNRIYVASVHQDLSDDDIKSVFEAFGKIKSCTLARDPTTGKHKGYGFIYEKAQSSQ
 DAVSSMNLFDLGGQYLRVGKAVTPMPLLTPATPGGLPPAAAVAAAAATAKITAQEAVAGAAVLGTLGTP
 GLVSPALTLAQLGLPQAVMAAQAPGVTGVTPARPPIPVTIPSVGVVNPILASPTLGLLEPKKEKEE
 EELFPESERPEMLSEQEHMSISGSSARHMVMQKLLRKQESTVMVLRNMVDPKIDDDLEGEVTEECGKFG
 AVNRVIIYQEKQGEEDAEIIVKIFVEFSIASETHKAIQALNGRWFAGRKVVAEYVDQERFDNSDLA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001271098

ORF Size: 1674 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_001271098.2](#)
RefSeq Size: 1945 bp

RefSeq ORF: 1677 bp

Locus ID: 22827

UniProt ID: [Q9UHX1](#)

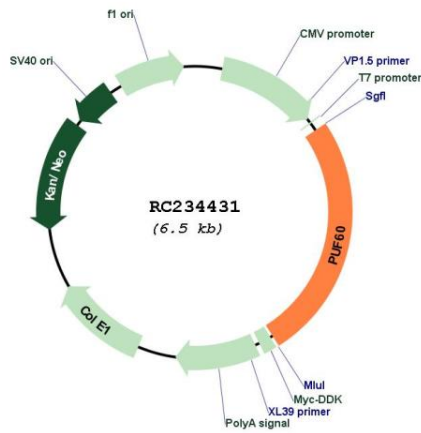
Cytogenetics: 8q24.3

Protein Pathways: Spliceosome

MW: 60.2 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 RC234431