

Product datasheet for **RG234431**

PUF60 (NM_001271098) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PUF60 (NM_001271098) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PUF60
Synonyms:	FIR; RoBPI; SIAHBP1; VRJS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234431 representing NM_001271098
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACGGCGACCATAGCTCTCGTCAATGGCCAGCAAGGAGGGGGTCCGAGCCGGCGCGCGCGCGG
 CAGTGGTGGCAGCGGAGACAAATGAAACCTCCACAGGGCACAGACTCCATCAAGATGGAGAACGGGCA
 GAGCACAGCCGCAAGCTGGGGTGCCTCCCCTGACGCCGAGCAGCAGGAGGCCCTTCAGAAGGCCAAG
 AAGTACGCCATGGAGCAGAGCATCAAGAGTGTGCTGGTGAAGCAGACCATCGCGCACCAGCAGCAGCAGC
 TCACCAACCTGCAGATGGCAGCAGTGAATGGGCTTTGGAGATCCTCTCTCACCTTTGCAATCGATGGC
 GGCTCAGCGGCAGCGGGCTGGCCATCATGTGCCGCTCTACGTGGGCTCTATCTACTATGAGCTGGGG
 GAGGACACCATCCGCCAGGCCTTTGCCCTTTGGCCCCATCAAGAGCATCGACATGTCTGGGACTCCG
 TCACCATGAAGCACAAGGGCTTTGCCTTCGTGGAGTATGAGGTCCCCGAAGCTGCACAGCTGGCCTTGA
 GCAGATGAAGTGGTGTGCTGGGGGCGAGGAACATCAAGGTGGGCGAGCCAGCAACATAGGGCAGGCC
 CAGCCCATCATAGACCAGTTGGCTGAGGAGGCACGGGCCTTCAACCGCATCTACGTGGCCTCTGTGCACC
 AGGACCTCTCAGACGATGACATCAAGAGCGTGTGGAGGCTTTGGCAAGATCAAGTCTGCACACTGGC
 CCGGGACCCACAACCTGGCAAGCACAAGGGCTACGGCTTCATTGAGTACGAGAAGGCCAGCTCGTCCCAA
 GATGCTGTGTCTTCCATGAACCTCTTTGACCTGGGTGGCCAGTACTTGGGGTGGCAAGGCTGTACAC
 CGCCATGCCCTACTCACACCAGCCACGCTGGAGGCCCTCCACCTGCCGCTGTGTGGCAGCTGCTGC
 AGCCACTGCCAAGATCACAGCTCAGGAAGCAGTGGCCGGAGCAGCGGTGCTGGGTACCCTGGGCACACCT
 GGACTGGTGTCCCAGCACTGACCCTGGCCAGCCCTGGGCACCTTTGCCCCAGGCTGTCTGGTGGCC
 AGGCACCTGGAGTATCACAGGTGTGACCCAGCCGCTCCTATCCCGGTCACCATCCCCTCGTGGG
 AGTGGTGAACCCATCCTGGCCAGCCCTCAACGCTGGGTCTCCTGGAGCCCAAGAAGGAGAAGGAAGAA
 GAGGAGCTGTTTCCGAGTCAAGAGCGGCCAGAGATGCTGAGCAGCAGGAGCAGATGAGCATCTCGGGCA
 GTAGCGCCGACACATGGTGTGATGAGAAGCTGCTCCGCAAGCAGGAGTCTACAGTGTGTTCTGCGCAA
 CATGGTGGACCCCAAGGACATCGATGATGACCTGGAAGGGGAGGTGACAGAGGAGTGTGGCAAGTTCGGG
 GCCGTGAACCGGCTCATCATCTACCAAGAGAAACAAGGCGAGGAGGAGTGCAGAAATCATTGTCAAGA
 TCTTTGTGGAGTTTTCCATAGCCTCTGAGACTCATAAGGCCATCCAGGCCCTCAATGGCCGCTGTTTGC
 TGCCCGCAAGGTGGTGGTGAAGTGTACGACCAGGAGCGTTTTGATAACAGTGACCTCTCTGCG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234431 representing NM_001271098
 Red=Cloning site Green=Tags(s)

MATATIALVNGQQGGSEPA AAAAVVAAGDKWKPPQGTDSIKMENGQSTAAKLGLPPLTPEQQEALQKAK
 KYAMEQSIKSVLVKQTI AHQQQLTNLQMAAVTMGFGDPLSPLQSMQAQRQALAIMCRVYVGSIIYELG
 EDTIRQAFAPFGPIKSIDMSWDSVTMKHKGF AFVEYEVPEAAQLALEQMNSVMLGGRNIKVGRPSNIGQA
 QPIIDQLAEERAFNRIYVASVHQDLSDDDIKSVFEAFGKIKSCTLARDPTTGKHKGYGFIYEKAQSSQ
 DAVSSMNLFDLGGQYLRVKA VTPPMPLLTPATPGGLPPAAAVAAAAATAKITAQEAVAGAAVLGTLGTP
 GLVSPALTLAQLGLTPQAVMAAQAPGVTGVT PARPPIPVTIPSVGVNPI LASPPTLGLLEPKKEKEE
 EELFPESERPEMLSEQEHMSISGSSARHMVMQKLLRKQESTVMVLRNMVDPKDIDDDLEGEVTEECGKFG
 AVNRVIIYQEKQEEEDA EIIIVKIFVEFSIASETHKAIQALNGRWFAGRKVVAEYVDQERFDNSDL SA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



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

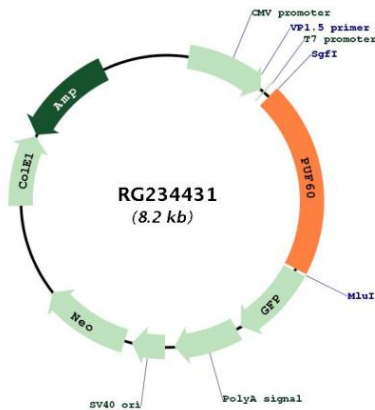
UniProt ID: [Q9UHX1](#)

Cytogenetics: 8q24.3

Protein Pathways: Spliceosome

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 RG234431