

## Product datasheet for **RG234363**

### PUF60 (NM\_001271099) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PUF60 (NM_001271099) 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:**

>RG234363 representing NM\_001271099  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGACGGCGACCATAGCTCTCGGCACAGACTCCATCAAGATGGAGAACGGGCAGAGCACAGCCGCCA  
 AGCTGGGGCTGCCTCCCCTGACGCCGAGCAGCAGGAGGCCCTTTCAGAAGGCCAAGAAGTACGCCATGGA  
 GCAGAGCATCAAGAGTGTGCTGGTGAAGCAGACCATCGCGCACCCAGCAGCAGCAGCTCACCAACCTGCAG  
 ATGGCAGCAGTGACAATGGGCTTTGGAGATCCTCTCTCACCTTTGCAATCGATGGCGGCTCAGCGGCAGC  
 GGGCGCTGGCCATCATGTGCCGCTCTACGTGGGCTCTACTACTATGAGCTGGGGGAGGACACCATCCG  
 CCAGGCCCTTGGCCCTTTGGCCCCATCAAGAGCATCGACATGTCCTGGGACTCCGTACCATGAAGCAC  
 AAGGGCTTTGCCTTCGTGGAGTATGAGGTCCCCGAAGCTGCACAGCTGGCCTTGAGCAGATGAAGTCCG  
 TGATGCTGGGGGGCAGGAACATCAAGGTGGCAGACCCAGCAACATAGGGCAGGCCAGCCCATCATAGA  
 CCAGTTGGCTGAGGAGGCAGGGCCTTCAACCGCATCTACGTGGCCTCTGTGCACCAGGACCTCTCAGAC  
 GATGACATCAAGAGCGTGTTTGAGGCCTTTGGCAAGATCAAGTCCCTGCACACTGGCCCGGACCCCAAA  
 CTGGCAAGCACAAGGGCTACGGCTTCATTGAGTACGAGAAGGCCAGTCGTCCTCAAGATGCTGTGTCTTC  
 CATGAACCTCTTTGACCTGGGTGGCCAGTACTTGGGGTGGGCAAGGCTGTACACCCGCCATGCCCTA  
 CTCACACCAGCCACGCCTGGAGGCCTCCCACCTGCCGCTGCTGTGGCAGCTGCTGCAGCCACTGCCAAGA  
 TCACAGCTCAGGAAGCAGTGGCCGGAGCAGCGGTGCTGGGTACCTGGGCACACCTGGACTGGTGTCCCC  
 AGCACTGACCTGGCCCAGCCCCGGGCACTTTGCCCCAGGCTGTATGGCTGCCAGGCACCTGGAGTC  
 ATCACAGGTGTGACCCCAGCCCCTCCTCTATCCCGTACCATCCCCTCGTGGGAGTGGTGAACCCCA  
 TCCTGGCCAGCCCTCCAACGCTGGTCTCCTGGAGCCCAAGAAGGAGAAGGAAGAAGAGCTGTTTCC  
 CGAGTCAGAGCGGCCAGAGATGCTGAGCGAGCAGGAGCACATGAGCATCTCGGGCAGTAGCGCCGACAC  
 ATGGTGATGCAGAAGCTGCTCCGCAAGCAGGAGTCTACAGTGTGGTCTGCGCAACATGGTGGACCCCA  
 AGGACATCGATGATGACCTGGAAGGGGAGGTGACAGAGGAGTGTGGCAAGTTCGGGGCCGTGAACCGCT  
 CATCATCTACCAAGAGAAAACAAGGCGAGGAGGAGGATGCAGAAATCATTGTCAAGATCTTTGTGGAGTTT  
 TCCATAGCCTCTGAGACTCATAAGGCCATCCAGGCCCTCAATGGCCGCTGGTTTGTGGCCGAAGGTGG  
 TGGCTGAAGTGTACGACCAGGAGCGTTTTGATAACAGTACCTCTCTGCG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG234363 representing NM\_001271099  
 Red=Cloning site Green=Tags(s)

MATATIALGTDSIKMENGQSTAARKLGLPPLTPEQQEALQKAKKYAMEQSIKSVLVKQTIHQQQQLTNLQ  
 MAAVTMGFGDPLSPLQSMQAQRQALAIMCRVYVGSIIYELGEDTIRQAFAPFGPIKSIDMSWDSVTMKH  
 KGFAFVEYEVPEAAQLALEQMNSVMLGGRNIKVGRPSNIGQAQPIIDQLAEEARAFNRIYVASVHQLSD  
 DDIKSVFEAFGKIKSCTLRDPTTGKHKGYGFIYEKAQSSQDAVSSMNLFDLGGQYLRVGKAVTPPMPPL  
 LTPATPGGLPPAAAVAAAAATAKITAQEAVAGAAVLGTLGTPGLVSPALTLAQLPLGTLPAVMAAQAPGV  
 ITGVTPARPPIPVTIPSVGVVNPILASPPTLGLLEPKKEKEEEELFPESERPEMLSEQEHMSISGSSARH  
 MVMQKLLRKQESTVMVLRNMVDPKIDDDLEGEVTEECGKFGAVNRVIIYQEKQGEEDAEIIVKIFVEF  
 SIASETHKAIQALNGRWFAGRKVVAEVYDQERFDNSDLA

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001271099

**ORF Size:** 1590 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\\_001271099.2](#)

**RefSeq Size:** 1861 bp

**RefSeq ORF:** 1593 bp

**Locus ID:** 22827

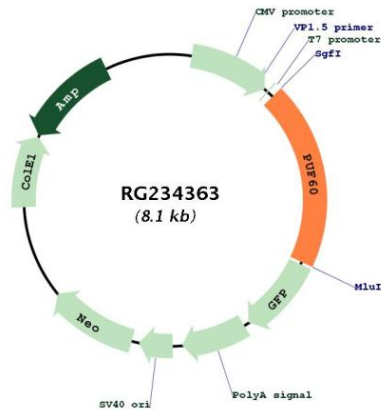
**UniProt ID:** [Q9UHX1](#)

**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 RG234363