

## Product datasheet for **RG234395**

### PUF60 (NM\_001271096) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PUF60 (NM_001271096) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG234395 representing NM\_001271096  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGACGGCGACCATAGCTCTCGTCAATGGCCAGCAAGGAGGGGGTCCGAGCCGGCGCGCGCGCG  
 CAGTGGTGGCAGCGGAGACAAATGAAACCTCCACAGGGCACAGACTCCATCAAGATGGAGAACGGGCA  
 GAGCACAGCCGCAAGCTGGGGTGCCTCCCCTGACGCCGAGCAGCAGGAGGCCCTTCAGAAGGCCAAG  
 AAGTACGCCATGGAGCAGAGCATCAAGAGTGTGCTGGTGAAGCAGACCATCGCGCACCAGCAGCAGCAGC  
 TCACCAACCTGCAGATGGCGGCTCAGCGGCAGCGGGCGCTGGCCATCATGTGCCGCTCTACGTGGGCTC  
 TATCTACTATGAGCTGGGGGAGGACACCATCCGCCAGGCTTTGCCCTTTGGCCCATCAAGAGCATC  
 GACATGTCCTGGGACTCCGTCCCATGAAGCACAAGGCTTTGCCTTCGTGGAGTATGAGGTCCCCGAAG  
 CTGCACAGCTGGCCTTGAGCAGATGAAGTCCGGTATGCTGGGGGCAGGAACATCAAGGTGGGCAGACC  
 CAGCAACATAGGGCAGGCCAGCCATCATAGACCAGTTGGCTGAGGAGGCACGGGCTTCAACCGCATC  
 TACGTGGCCTCTGTGCACAGGACCTCTCAGACGATGACATCAAGAGCGTGTTCGAGGCCTTTGGCAAGA  
 TCAAGTCTGCACACTGGCCCGGACCCACAACCTGGCAAGCACAGGGCTACGGCTTCATTGAGTACGA  
 GAAGGCCAGTCGTCCTCAAGATGCTGTGCTTCCATGAACCTCTTTGACCTGGGTGGCCAGTACTTGCGG  
 GTGGGCAAGGCTGTACACCGCCATGCCCTACTCACACCAGCCACGCCTGGAGGCCTCCCACCTGCCG  
 CTGCTGTGGCAGCTGCTGCAGCCACTGCCAAGATCACAGCTCAGGAAGCAGTGGCCGGAGCAGCGGTGCT  
 GGGTACCCTGGGCACACTGGACTGGTGTCCCCAGCACTGACCTGGCCAGCCCTGGGCACTTTGCCG  
 CAGGCTGTATGGCTGCCAGGCACCTGGAGTCATCACAGGTGTGACCCAGCCGCTCCTCTATCCCGG  
 TCACCATCCCCTCGGTGGGAGTGGTGAACCCATCCTGGCCAGCCCTCAACGCTGGGCTCCTCTGAGGCC  
 CAAGAAGGAGAAGGAAGAAGAGGAGCTGTTCCCGAGTCAGAGCGGCCAGAGATGCTGAGCGAGCAGGAG  
 CACATGAGCATCTCGGGCAGTAGCGCCGACACATGGTATGCAGAAGCTGCTCCGAAGCAGGAGTCTA  
 CAGTGTGTTCTGCGCAACATGGTGGACCCCAAGGACATCGATGATGACCTGGAAGGGGAGGTGACAGA  
 GGAGTGTGGCAAGTTCGGGGCCGTGAACCGCGTCATCATACCAAGAGAAAACAAGGCGAGGAGGAGGAT  
 GCAGAAATCATTGTCAAGATCTTTGTGGAGTTTCCATAGCCTCTGAGACTCATAAGGCCATCCAGGCC  
 TCAATGGCCGCTGGTTTGTGGCCGCAAGGTGGTGGTGAAGTGTACGACCAGGAGCGTTTTGATAACAG  
 TGACCTCTCTGCG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG234395 representing NM\_001271096  
 Red=Cloning site Green=Tags(s)

MATATIALVNGQQGGSEPAAAA VVAAGDKWKPPQGTDSIKMENGQSTAAKLGLPPLTPEQQEALQKAK  
 KYAMEQSIKSVLVKQTI AHQQQLTNLQMAAQRALAIMCRVYVGSIIYELGEDTIRQAFAPFGPIKSI  
 DMSWDSVTMKHKGF AFVEYVPEAAQLALEQMNSVMLGGRNIKVGRPSNIGQAQPIIDQLAEEARAFNRI  
 YVASVHQDLSDDDIKSVFEAFGKIKSCTLARDPTTGKHKGYGFI EYKAQSSQDAVSSMNLFDLGGQYLR  
 VGKAVTPPMP L LTPATPGGLPPAAAVAAAAATAKITAQEAVAGAAVLGTLGTPGLVSPALTLAQPLGTLPL  
 QAVMAAQAPGVITGVTPARPPIPVTIPSVGVVNPILASPTLGLLEPKKEKEEELFPESERPEMLSEQE  
 HMSISGSSARHMVMQKLLRKQESTVMVLRNMVDPKDIDDDLEGEVTEECGKFGAVNRVIIYQEKQGEED  
 AEIIVKIFVEFSIASETHKAIQALNGRWFAGRKVVAEVYDQERFDNSDL SA

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001271096

ORF Size: 1623 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\\_001271096.2](#)

RefSeq Size: 1894 bp

RefSeq ORF: 1626 bp

Locus ID: 22827

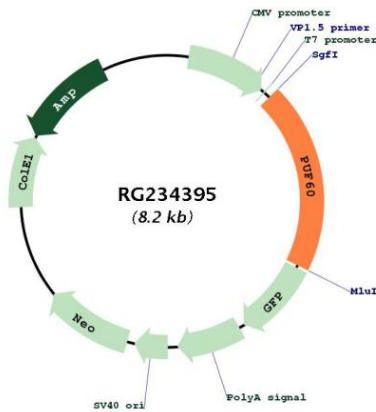
UniProt ID: [Q9UHX1](#)

**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 RG234395