

Product datasheet for **RG234323**

PUF60 (NM_001271097) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PUF60 (NM_001271097) 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:

>RG234323 representing NM_001271097
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGACGGCGACCATAGCTCTCGGCACAGACTCCATCAAGATGGAGAACGGGCAGAGCACAGCCGCCA
 AGCTGGGGCTGCCTCCCTGACGCCGAGCAGCAGGAGGCCCTTTCAGAAGGCCAAGAAGTACGCCATGGA
 GCAGAGCATCAAGAGTGTGCTGGTGAAGCAGACCATCGCGCACCCAGCAGCAGCAGCTCACCAACCTGCAG
 ATGGCGGCTCAGCGGCAGCGGGCTGGCCATCATGTGCCGCTCTACGTGGGCTCTATCTACTATGAGC
 TGGGGGAGGACACCATCCGCCAGGCCTTTGCCCTTTGGCCCCATCAAGAGCATCGACATGCTCTGGGA
 CTCCGTCAACATGAAGCACAAGGCTTTGCCTTCGTGGAGTATGAGGTCCCCGAAGCTGCACAGCTGGCC
 TTGGAGCAGATGAACTCGGTGATGCTGGGGGCGAGAACATCAAGGTGGCAGACCCAGCAACATAGGGC
 AGGCCAGCCCATCATAGACCAGTTGGCTGAGGAGGCACGGGCCCTCAACCGCATCTACGTGGCCTCTGT
 GCACCAGGACCTCTCAGACGATGACATCAAGAGCGTGTTCGAGGCCCTTTGGCAAGATCAAGTCTGCACA
 CTGGCCCCGGGACCCACAACCTGGCAAGCACAAGGCTACGGCTTATTGAGTACGAGAAGGCCAGTCGT
 CCCAAGATGCTGTGCTTCCATGAACCTCTTTGACCTGGGTGGCCAGTACTTGGGGTGGCAAGGCTGT
 CACACCGCCCATGCCCTACTCACACGACCACGCCTGGAGGCCTCCACCTGCCGCTGTGTGGCAGCT
 GCTGCAGCCACTGCCAAGATCACAGCTCAGGAAGCAGTGGCCGGAGCAGCGGTGCTGGGTACCCTGGGCA
 CACCTGGACTGGTGTCCCAGCACTGACCTGGCCAGCCCTGGGCACTTTGCCCCAGGCTGTCTATGGC
 TGCCAGGCACCTGGAGTATCACAGGTGTGACCCAGCCCGTCTCTATCCCAGTACCATCCCTCG
 GTGGGAGTGGTGAACCCATCCTGGCCAGCCCTCAACGCTGGTCTCCTGGAGCCCAAGAAGGAGAAGG
 AAGAAGAGGAGCTGTTTCCCGAGTCAGAGCGGCCAGAGATGCTGAGCGAGCAGGACACATGAGCATCTC
 GGCAGTAGCGCCGACACATGGTGTGATGCAGAAGCTGCTCCGCAAGCAGGAGTCTACAGTATGTTCTG
 CGCAACATGGTGGACCCCAAGGACATCGATGATGACCTGGAAGGGGAGGTGACAGAGGAGTGTGGCAAGT
 TCGGGGCGTGAACCGCTCATCTACCAAGAGAAACAAGGCGAGGAGGAGGATGCAGAAATCATTGT
 CAAGATCTTTGTGGAGTTTCCATAGCCTCTGAGACTCATAAGGCCATCCAGGCCCTCAATGGCCGCTGG
 TTTGCTGGCCGAAGGTGGTGGCTGAAGTGTACGACCAGGAGCGTTTTGATAACAGTGACCTCTCTGGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234323 representing NM_001271097
 Red=Cloning site Green=Tags(s)

MATATIALGTDSIKMENGQSTAAKLGPLPLTPEQQEALQKAKKYAMEQSIKSVLVKQTIHQQQQLTNLQ
 MAAQRQRALAIMCRVYVGSIIYELGEDTIRQAFAPFGPIKSIDMSWDSVTMKHKGFVFEVVEPEAAQLA
 LEQMNSVMLGGRNIKVGRPSNIGQAQPIIDQLAEERAFNRIYVASVHQDLSDDDIKSVFEAFGKIKSCT
 LARDPTTGKHKGYGFIIEYKAQSSQDVAVSSMNLFDLGGQYLRVGKAVTPPMLLTPATPGGLPPAAAVAA
 AAATAKITAQEAVAGAAVLGTLGTPGLVSPALTLAQPLGTLQAVMAAQAPGVITGVTPARPPIPVTIPS
 VGVVNPILASPPTLGLLEPKKEKEEEELFPESERPEMLSEQEHMSISGSSARHMVMQKLLRKQESTVMVL
 RNMVDPKDIDDDLEGEVTEECGKFGAVNRVYIYQEKQGEEDAEIIVKIFVEFSIASETHKAIQALNGRW
 FAGRKVVAEVYDQERFDNSDLSA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001271097

ORF Size: 1539 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_001271097.2](#)

RefSeq Size: 1810 bp

RefSeq ORF: 1542 bp

Locus ID: 22827

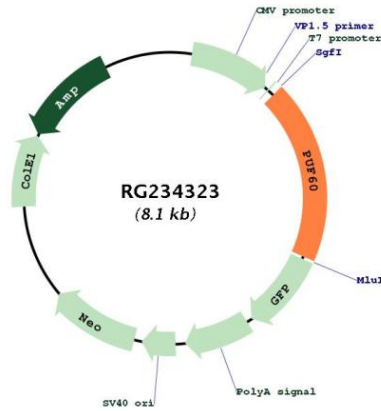
UniProt ID: [Q9UHX1](#)

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 RG234323