

Product datasheet for **SC319186**

PUF60 (NM_014281) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PUF60 (NM_014281) Human Untagged Clone
Tag:	Tag Free
Symbol:	PUF60
Synonyms:	FIR; RoBPI; SIAHBP1; VRJS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014281.3
 GGAAGGAGCAAGAGTGGGAGGCGCGCGGAGGCCGACGCAAGATGGCGACGGC
 GACCATAGCTCTCCAGGTCAATGGCCAGCAAGGAGGGGGTCCGAGCCGGCGCGCGCGC
 GGCAGTGGTGGCAGCGGGAGACAAATGGAAACCTCCACAGGGCACAGACTCCATCAAGAT
 GGAGAACGGGCAGAGCACAGCCCAAGCTGGGGCTGCCTCCCTGACGCCCCGAGCAGCA
 GGAGGCCCTTCAGAAGGCCAAGAAGTACGCCATGGAGCAGAGCATCAAGAGTGTGCTGGT
 GAAGCAGACCATCGCGCACCAGCAGCAGCTACCAACCTGCAGATGGCGGCTCAGCG
 GCAGCGGGCGCTGGCCATCATGTGCCGCTCTAGTGGGCTCTATCTACTATGAGCTGGG
 GGAGGACACCATCCGCCAGGCCTTTGCCCTTTGGCCCCATCAAGAGCATCGACATGTC
 CTGGGACTCCGTACCATGAAGCACAAGGGCTTTGCCTTCGTGGAGTATGAGGTCCCCGA
 AGCTGCACAGCTGGCCTTGGAGCAGATGAACTCGGTGATGCTGGGGGCAGGAACATCAA
 GGTGGGCAGACCCAGCAACATAGGGCAGGCCAGCCATCATAGACCAGTTGGCTGAGGA
 GGCACGGGCTTCAACCGCATCTACGTGGCCTCTGTGCACCAGGACCTCTCAGACGATGA
 CATCAAGAGCGTGTGGAGGCCCTTGGCAAGATCAAGTCTGCACACTGGCCCGGACCC
 CACAACCTGGCAAGCACAAGGGCTACGGCTTCATTGAGTACGAGAAGGCCAGTCGTCCCA
 AGATGCTGTGCTTCCATGAACCTCTTTGACCTGGGTGGCCAGTACTTGGGGTGGGCAA
 GGCTGTACACCCGCCATGCCCTACTCACACCAGCCACGCTGGAGGCCTCCCACCTGC
 CGCTGCTGTGGCAGCTGTGCAGCCACTGCCAAGATCACAGCTCAGGAAGCAGTGGCCGG
 AGCAGCGGTGCTGGGTACCCTGGGCACACCTGGACTGGTGTCCCCAGCACTGACCCTGGC
 CCAGCCCTGGGCACTTTGCCCCAGGCTGTGATGGCTGCCAGGCACCTGGAGTCATCAC
 AGGTGTGACCCAGCCGCTCCTCCTATCCCGGTACCATCCCCTCGGTGGGAGTGGTGAA
 CCCCATCTGGCCAGCCCTCCAACGCTGGGTCTCCTGGAGCCCAAGAAGGAGAAGGAAGA
 AGAGGAGCTGTTCCCGAGTCAGAGCGGCCAGAGATGCTGAGCGAGCAGGAGCAGATGAG
 CATCTCGGGCAGTAGCGCCGACACATGGTGATGCAGAAGCTGCTCCGCAAGCAGGAGTC
 TACAGTGTGTTCTGCGCAACATGGTGGACCCCAAGGACATCGATGATGACCTGGAAGG
 GGAGGTGACAGAGGAGTGTGGCAAGTTCGGGGCCGTGAACCGCGTCATCATCTACCAAGA
 GAAACAAGGCGAGGAGGAGGATGCAGAAATCATTGTCAAGATCTTTGTGGAGTTTTCCAT
 AGCCTCTGAGACTATAAGGCCATCCAGGCCCTCAATGGCCGCTGGTTTGTGCGCCGCAA
 GGTGGTGGCTGAAGTGTACGACCAGGAGCGTTTTGATAACAGTGACCTCTCTGCGTGACA
 GTGGTCCCTCTCCCCGACTTGCCTTGTCTTCTGTTTCTCTGGGTTTTATAGTGATAC
 AGTGGTGTCCCCGGGCCAGGCGCGCTCTGCCAGCCAGCCTACAGTGGGATAAAGGT
 GCGGATGTGCTGCCCTGAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014281

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_014281.3](#), [NP_055096.2](#)

RefSeq Size: 1853 bp

RefSeq ORF: 1629 bp

Locus ID: 22827

UniProt ID: [Q9UHX1](#)

Cytogenetics: 8q24.3

Domains: RRM, RRM_1

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]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region, compared to variant 1. The encoded isoform (b) is shorter than isoform a.