

## Product datasheet for **SC110270**

### PUF60 (NM\_078480) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PUF60 (NM_078480) Human Untagged Clone
Tag:	Tag Free
Symbol:	PUF60
Synonyms:	FIR; RoBPI; SIAHBP1; VRJS
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_078480, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACGGCGACCATAGCTCTCCAGGTCAATGGCCAGCAAGGAGGGGGTCCGAGCCGGCGGCGGG
CGGCAGTGGTGGCAGCGGAGACAAATGAAACCTCCACAGGGCAGAGACTCCATCAAGATGGAGAACGG
GCAGAGCACAGCCGCAAGCTGGGGCTGCCCTCCCCTGACGCCGAGCAGCAGGAGGCCCTTCAGAAGGCC
AAGAAGTACGCCATGGAGCAGAGCATCAAGAGTGTGCTGGTGAAGCAGACCATCGCGCACCAGCAGCAGC
AGCTACCAACCTGCAGATGGCAGCAGTGACAATGGGCTTTGGAGATCCTCTCTACCTTTGCAATCGAT
GGCGGCTCAGCGGCAGCGGGCGCTGGCCATCATGTGCCGCTCTACGTGGGCTCTATCTACTATGAGCTG
GGGGAGGACACCATCCGCCAGGCCTTTGCCCTTTGGCCCCATCAAGAGCATCGACATGCTCTGGGACT
CCGTACCATGAAGCACAAGGGCTTTGCCTTCGTGGAGTATGAGGTCCCCGAAGCTGCACAGCTGGCCTT
GGAGCAGATGAACTCGGTGATGCTGGGGGCAGGAACATCAAGGTGGCAGACCCAGCAACATAGGGCAG
GCCAGCCATCATAGACCAGTTGGCTGAGGAGGCAGGGCCTTCAACCCATCTACGTGGCCTCTGTGC
ACCAGGACCTCTCAGACGATGACATCAAGAGCGTGTGGAGGCCCTTGGCAAGATCAAGTCTGCACACT
GGCCCCGGACCCACAACCTGGCAAGCACAAGGGCTACGGCTTCATTGAGTACGAGAAGGCCAGTCGTCC
CAAGATGCTGTGCTTCCATGAACCTCTTTGACCTGGGTGGCCAGTACTTGCGGGTGGGCAAGGCTGTCA
CACCGCCATGCCCTACTCACACCAGCCACGCCTGGAGGCCTCCACCTGCCGCTGCTGTGGCAGCTGC
TGCAGCCACTGCCAAGATCACAGCTCAGGAAGCAGTGGCCGGAGCAGCGGTGCTGGGTACCTGGGCACA
CCTGGACTGGTGTCCCAGCACTGACCTGGCCAGCCCTGGGCACTTTGCCCCAGGCTGTATGGCTG
CCCAGGCACCTGGAGTCAACAGGTGTGACCCAGCCGCTCCTCCTATCCCGGTACCATCCCCCTGGT
GGGAGTGGTGAACCCCTCCTGGCCAGCCCTCCAACGCTGGGTCTCCTGGAGCCCAAGAAGGAGAAGGAA
GCAGTAGCGCCGACACATGGTGTGATGCAGAAGCTGCTCCGCAAGCAGGAGTCTACAGTGTGGTTCTGCG
CAACATGGTGGACCCCAAGGACATCGATGATGACCTGGAAGGGGAGGTGACAGAGGAGTGTGGCAAGTTC
GGGGCCGTGAACCGCTCATCATCTACCAAGAGAAAACAAGGCGAGGAGGAGGATGCAGAAATCATTGTCA
AGATCTTTGTGGAGTTTTCCATAGCCTCTGAGACTCATAAGGCCATCCAGGCCCTCAATGGCCGCTGGTT
TGCTGGCCGAAGGTGGTGGCTGAAGTGTACGACCAGGAGCGTTTTGATAACAGTGACCTCTCTGCGTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_078480 unedited

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TATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCAGGAGCGACGGACGCA
AGATGGGACGGCGACCATAGCTCTCGTCAATGGCCAGCAAGGAGGGGGTCCGAGCCGG
CGGCGGCGGCGGCGAGTGGTGGCAGCGGGAGACAAATGAAACCTCCACAGGGCAGACT
CCATCAAGATGGAGAACGGGCAGAGCACAGCCCAAGCTGGGGCTGCCTCCCCTGACGC
CCGAGCAGCAGGAGGCCCTTCAGAAGGCCAAGAAGTACGCCATGGAGCAGAGCATCAAGA
GTGTGCTGGTGAAGCAGACCATCGCGCACCAGCAGCAGACTCACCAACCTGCAGATGG
CAGCAGTGACAATGGGCTTTGGAGATCCTCTCTACCTTTGCAATCGATGGCGGCTCAGC
GGCAGCGGGCGCTGGCCATCATGTGCCGCTCTACGTGGGCTCTATCTACTATGAGCTGG
GGGAGGACACCATCCGCCAGGCCTTTGCCCTTTGGCCCCATCAAGAGCATCGACATGT
CCTGGGACTCCGTACCATGAAGCACAAGGGCTTTGCCTTCGTGGAGTATGAGGTCCCCG
AAGCTGCACAGCTGGCCTTGGAGCAGATGAACTCGGTGATGCTGGGGGCAGGAACATCA
AGGTGGGAGACCCAGCAACATANGGCANGCCCAGCCATCATAGACCAGTTGGCTGAGG
AGGCACGGCCTTCAACCGCATCTACGTGGCCTCTGTGCCAGGACCTCTCAGACGATGA
CATCAAGAGCGTGTGGTGTAGCCTTTGGCAAGACAAGTTCTGACTGGCCGGGACCCAC
ACTGGCAGCACAGGGCTACGCTTCATTGATACGAGAAGCCAGTCGTCCCAGAGCTTGGTC
TCCATGACCTCTTACTGGTGGCAGTACTGCGGTGGGCGAGGTGTACACCCCATGCCT
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_078480 unedited TTGGACGCGGCCCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTGGCCAGCAGCATCCG CACCTTTATCCGCACTGTAGGCTGGGCTGGGCAGAGCGCGCTGGCCCCGGGGACACCAC TGTATCACTATAAAACCCAGAGGAAACAAGGAACAAGTGAAGTCCGGGGAGAGGGACCA CTGTACGCAGAGAGGTCCTGTTATCAAAACGCTCCTGGTCGTACACTTCAGCCACCAC CTTGCGGCCAGCAAACCAGCGGCCATTGAGGGCCTGGATGGCCTTATGAGTCTCAGAGGC TATGGAAAACCCACAAAGATCTTGACAATGATTTCTGCATCCTCCTCGCCTTGTTT CTCTTGGTAGATGATGACGCGGTTACAGGCCCGAACTTGCCACACTCCTCTGTACCTC CCCTTCCAGGTATCATCGATGTCCTTGGGGTCCACCATGTTGCGCAGAACCATCACTGT AGACTCCTGCTTGCGGAGCAGCTTCTGCATCACCATGTGTGCGGCGCTACTGCCCGAGAT GCTCATGTGCTCCTGCTCGCTCAGCATCTCTGGCCGCTCTGACTCGGAAACAGCTCCTC TTCTTCTTCTCCTTCTTGGGCTCCAGGAGACCCAGCGTTGGAGGGCTGGCCAGGATGGG GTTCACTACTCCACCGAGGGGATGGTGACCGGGATAGGAGGACGGGCTGGGGTACACC TGTGATGACTCCANGTGCCTGGCAGCCATGACAGCCTGGGGCANAGTGGCCAGGGCTG GGCCAGGGTCAGTCTGGGGACACCAAGTCCAAGTGGCCAGGGTACCCAGCACCCTGCT TCGGCCACTGCTTCTGAGCTGTGATCTTGGCAATGGCTGCANCACTGCCACAACAACG GCAGGTGGGAAGGCCCTCCAGCGTGCTGGTGTGAATAAGGGCATGGNGCGGGTGAANCCT TTGCCAACCGCAGTACTGGGCCACCAGTTCAAAAAGTTCATGGAAAACACATCTTGGG ACAACGA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_078480
<b>Insert Size:</b>	1860 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_078480.1</a></u> , <u><a href="#">NP_510965.1</a></u>
<b>RefSeq Size:</b>	1946 bp
<b>RefSeq ORF:</b>	1680 bp
<b>Locus ID:</b>	22827
<b>UniProt ID:</b>	<u><a href="#">Q9UHX1</a></u>
<b>Cytogenetics:</b>	8q24.3
<b>Domains:</b>	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 (1) encodes the isoform a.