

## Product datasheet for **MC219088**

### **Puf60 (NM\_028364) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Puf60 (NM_028364) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Puf60
Synonyms:	2410104I19Rik; 2810454F19Rik; SIAHBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC219088 representing NM\_028364  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGACGGCGACTATAGCTCTCCAGGTCAATGGCCAACAAGGAGGAGGGTCGGAGCCAGCAGCAGCGG  
 CTGCAGCGGCGGGCGGCAGTGGTGGCAGCAGGAGACAAATGGAAACCTCCACAGGGCACAGAATCCAT  
 CAAGATGGAAAATGGACAAAGCACAGGCACCAAGCTGGGGCTGCCTCCCCTGACGCCCGAGCAGCAGGAG  
 GCCCTCCAGAAGGCCAAGAAATATGCAATGGAGCAGAGCATCAAGAGTGTGCTGGTGAACAGACCATCG  
 CGCACCAGCAGCAGCAGCTCACCAACCTGCAGATGGCAGCAGTGACAATGGGCTTTGGAGATCCTCTCTC  
 ACCTTTGCAATCGATGGCAGCTCAACGGCAGCGGGCACTGGCTATCATGTGCCGGGTCTATGTGGGCTCC  
 ATCTACTATGAGCTGGGAGAAGACTATTGCCAGGCCCTTGGCTCCCTTTGGCCCCATCAAGAGCATTG  
 ATATGTCCTGGGACTCCGTTACCATGAAGCATAAGGGCTTGGCTTCGTGGAGTACGAGGTCACAGAAGC  
 TGCGCAGCTCGCTTTGGAGCAGATGAACCTGTGATGCTTGGGGCAGGAACATCAAGGTGGGAAGACCC  
 AGCAACATTGGACAAGCCCAACCCATCATAGATCAGCTGGCTGAGGAAGCTAGGGCTTTCAACCGAATAT  
 ATGTGGCCTCTGTACATCAAGACCTGTCTGATGATGACATCAAGAGTGTATTTGAAGCCTTTGGCAAGAT  
 CAAGTCTTGTACGCTGGCCCCGGGACCCACAACCTGGCAAGCACAAAGGGCTATGGTTTTATCGAATATGAG  
 AAGGCCAGTCGTCAGGATGCTGTGTCTCCATGAACCTCTTTGATCTGGGTGGCCAGTACTTGAGGG  
 TGGGCAAGGCCGTACACCCCCCATGCCCTGTAAACCTGCCACGCCTGGAGGTCTCCCGCTGCTGC  
 TGCTGTGGCCGACGTCAGCCACGGCCAAGATTACAGCTCAGGAAGCAGTGGCTGGAGCAGCAGTGTG  
 GGTACTTTAGCCACACCAGGACTAGTGTCCCAGCACTGACACTGGCCAGCCCTTAGGGGCCCTACCCC  
 AGGCTGTCATGGCTGCCAGGCCCTGGAGTCATCAGAGTGTGACACCAGCCCGCCCTCTATTCCGGT  
 CACCATCCCTCTGTGGGAGTAGTGAACCCATTCTCGCCAGCCCGCAACGTTGGGTCTGTTGGAGCCC  
 AAGAAGGAGAAGGAAGAGGAGGAGCTGTTTCTGAGTCAGAACGGCCAGAGATGTTGAGTGAAGCAGGAGC  
 ACATGAGCATCTCGGGCAGCAGTGTCTGCCACATGGTCATGCAAAAGCTACTCAGAAAACAGGAGTCTAC  
 AGTGATGGTTCTCCGAAACATGGTGGACCCCAAGGACATCGATGACGACCTGGAGGGAGAGGTGACAGAG  
 GAGTGTGGCAAATTTGGTGTGTGAACCGGTCATTATCTATCAAGAAAAACAGGGCGAAGAGGAAGATG  
 CAGAAATCATCGTCAAGATTTTGTGGAATTCCTCATGGCCTCAGAGACTCACAAGGCCATCCAGGCCCT  
 CAATGGGCGCTGGTTTGGTGGTCGAAGGTGGTGGCTGAAGTGTATGACCAGGAGCGTTTTGATAACAGC  
 GACCTCTCCGCTGA

**ACGGGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1562\\_a04.zip](https://cdn.origene.com/chromatograms/ja1562_a04.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_028364

**Insert Size:** 1695 bp

**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).

**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\\_028364.2](#), [NP\\_082640.2](#)

**RefSeq Size:** 1929 bp

**RefSeq ORF:** 1695 bp

**Locus ID:** 67959

**UniProt ID:** [Q3UEB3](#)

**Cytogenetics:** 15 D3

**Gene Summary:** DNA- and RNA-binding protein, involved in several nuclear processes such as pre-mRNA splicing, apoptosis and transcription regulation. In association with FUBP1 regulates MYC transcription at the P2 promoter through the core-TFIID basal transcription factor. Acts as a transcriptional repressor through the core-TFIID basal transcription factor. Represses FUBP1-induced transcriptional activation but not basal transcription. Decreases ERCC3 helicase activity. Is also involved in pre-mRNA splicing. Promotes splicing of an intron with weak 3'-splice site and pyrimidine tract in a cooperative manner with U2AF2. Involved in apoptosis induction when overexpressed in HeLa cells. Modulates alternative splicing of several mRNAs. Binds to relaxed DNA of active promoter regions. Binds to the pyrimidine tract and 3'-splice site regions of pre-mRNA; binding is enhanced in presence of U2AF2. Binds to Y5 RNA in association with TROVE2. Binds to poly(U) RNA (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (a).