

Product datasheet for **MC218836**

Puf60 (NM_133691) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Puf60 (NM_133691) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Puf60 |
| Synonyms: | 2410104I19Rik; 2810454F19Rik; SIAHBP1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC218836 representing NM_133691
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACGGCGACTATAGCTCTCCAGGTCAATGGCCAACAAGGAGGAGGGTTCGGAGCCAGCAGCAGCGG
 CTGCAGCGCGCGGCCGCGCAGTGGTGGCAGCAGGAGACAAATGGAAACCTCCACAGGGCAGAGAATCCAT
 CAAGATGGAAAATGGACAAAGCACAGGCACCAAGCTGGGGCTGCCTCCCTGACGCCGAGCAGCAGGAG
 GCCCTCCAGAAGGCCAAGAAATATGCAATGGAGCAGAGCATCAAGAGTGTGCTGGTAAACAGACCATCG
 CGCACCAGCAGCAGCAGCTCACCAACCTGCAGATGGCAGCTCAACGGCAGCGGGCACTGGCTATCATGTG
 CCGGGTCTATGTGGGCTCCATCTACTATGAGCTGGGAGAAGACACTATTCGCCAGGCCTTTGCTCCCTTT
 GGCCCATCAAGAGCATTGATATGCTCTGGGACTCCGTTACCATGAAGCATAAGGGCTTTGCCCTCGTGG
 AGTACGAGGTCCCAGAAGCTGCGCAGCTCGCTTTGGAGCAGATGAACTCTGTGATGCTTGGGGGCAGGAA
 CATCAAGGTGGGAAGACCCAGCAACATTGGACAAGCCCAACCCATCATAGATCAGCTGGCTGAGGAAGCT
 AGGGCTTTCAACCGAATATATGTGGCCTCTGTACATCAAGACCTGTCTGATGATGACATCAAGAGTGTAT
 TTGAAGCCTTTGGCAAGATCAAGTCTTGTACGCTGGCCCGGGACCCACAACTGGCAAGCACAAGGGCTA
 TGGTTTTATCGAATATGAGAAGGCCAGTCCGTCAGGATGCTGTGTCCTCCATGAACCTCTTTGATCTG
 GGTGGCCAGTACTTGAGGGTGGGCAAGGCCGTCACACCCCCATGCCCTGCTAACACCTGCCACGCCTG
 GAGGTCTCCCGCTGCTGCTGTGGCCGAGCTGCAGCCACGGCCAAGATTACAGTCAAGGAGCAGT
 GGCTGGAGCAGCAGTGTGGTACTTTAGCCACACCAGGACTAGTGTCCCAGCACTGACACTGGCCAG
 CCCTTAGGGGCCCTACCCAGGCTGTATGGCTGCCAGGCCCTGGAGTCAACAGGTGTGACACCAG
 CCGGCCCTCCTATTCCGGTCACCATCCCCTCTGTGGGAGTAGTGAACCCATTCTCGCCAGCCGCCAAC
 GTTGGGTCTGTTGGAGCCCAAGAAGGAGAAGGAAGAGGAGGAGCTGTTTCCTGAGTCAGAACCGCCAGAG
 ATGTTGAGTGAGCAGGAGCAGATGAGCATCTCGGGCAGCAGTGTGCTCGCCACATGGTCATGCAAAAAGCTAC
 TCAGAAAAAGGAGTCTACAGTGTGGTCTCCGAAACATGGTGGACCCCAAGGACATCGATGACGACCT
 GGAGGGAGAGGTGACAGAGGAGTGTGGCAAATTTGGTGTGTGAACCGGGTCATTATCTATCAAGAAAAA
 CAGGGCGAAGAGGAAGATGCAGAAATCATCGTCAAGATTTTTGTGGAATTCTCCATGGCCTCAGAGACTC
 ACAAGGCCATCCAGGCCCTCAATGGGCGCTGGTTTGGTGGTCGCAAGGTGGTGGCTGAAGTGTATGACCA
 GGAGCGTTTTGATAACAGCGACCTCTCCGCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_133691

Insert Size: 1644 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).

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| Reconstitution Method: | <ol style="list-style-type: none">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_133691.5 , NP_598452.2 |
| RefSeq Size: | 1878 bp |
| RefSeq ORF: | 1644 bp |
| Locus ID: | 67959 |
| UniProt ID: | Q3UEB3 |
| Cytogenetics: | 15 D3 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region, compared to variant 1. This results in a shorter protein (isoform b), compared to isoform a.</p> |