

Product datasheet for **MC217008**

Puf60 (NM_001164600) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Puf60 (NM_001164600) 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: >MC217008 representing NM_001164600
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAAATGGACAAAGCACAGGCACCAAGCTGGGGCTGCCTCCCCTGACGCCCGAGCAGCAGGAGGCC
 TCCAGAAGGCCAAGAAATATGCAATGGAGCAGAGCATCAAGAGTGTGCTGGTGAACAGACCATCGCGCA
 CCAGCAGCAGCAGCTACCAACCTGCAGATGGCAGCTCAACGGCAGCGGGCACTGGCTATCATGTGCCGG
 GTCTATGTGGGCTCCATCTACTATGAGCTGGGAGAAGACACTATTCGCCAGGCCTTTGCTCCCTTTGGCC
 CCATCAAGAGCATTGATATGTCTGGGACTCCGTTACCATGAAGCATAAGGGCTTTGCTTCGTGGAGTA
 CGAGGTCCAGAAGCTGCGCAGCTCGCTTTGGAGCAGATGAACCTCTGTGATGCTTGGGGCAGGAACATC
 AAGGTGGGAAGACCCAGCAACATTGGACAAGCCCAACCCATCATAGATCAGCTGGCTGAGGAAGCTAGGG
 CTTTCAACCGAATATATGTGGCCTCTGTACATCAAGACCTGTCTGATGATGACATCAAGAGTGTATTTGA
 AGCCTTTGGCAAGATCAAGTCTTGTACGCTGGCCCGGGACCCACAACCTGGCAAGCACAAGGGCTATGGT
 TTTATCGAATATGAGAAGGCCAGTCGTCCAGGATGCTGTGCTCCATGAACCTCTTTGATCTGGGTG
 GCCAGTACTTGAGGGTGGCAAGGCCGTACACCCCCATGCCCTGCTAACACCTGCCACGCCTGGAGG
 TCTCCCGCTGTCTGTCTGTGGCCGAGCTGCAGCCACGGCCAAGATTACAGCTCAGGAAGCAGTGGCT
 GGAGCAGCAGTGTGGTACTTTAGCCACACCAGGACTAGTGTCCCAGCACTGACACTGGCCAGCCCT
 TAGGGGCCCTACCCAGGCTGTCTATGGCTGCCAGGCCCTGGAGTCATCACAGGTGTGACACCAGCCCG
 CCCTCCTATTCCGGTACCATCCCCTCTGTGGGAGTAGTGAACCCATTCTGCCAGCCCGCCAACGTTG
 GGCTCTGTTGGAGCCCAAGAAGGAGAAGGAAGAGGAGGAGCTGTTTCTGAGTCAGAACGGCCAGAGATGT
 TGAGTGAGCAGGAGCACATGAGCATCTCGGGCAGCAGTGTCTGCCACATGGTCATGCAAAAAGCTACTCAG
 AAAACAGGAGTCTACAGTGATGGTTCTCCGAAACATGGTGGACCCCAAGGACATCGATGACGACCTGGAG
 GGAGAGGTGACAGAGGAGTGTGGCAAATTTGGTCTGTGAACCGGTCATTATCTATCAAGAAAAACAGG
 GCGAAGAGGAAGATGCAGAAATCATCGTCAAGATTTTTGTGGAATTCTCCATGGCCTCAGAGACTCACAA
 GGCCATCCAGGCCCTCAATGGGCGCTGGTTTGGTGGTCCGAAAGTGGTGGCTGAAGTGTATGACCAGGAG
 CGTTTTGATAACAGCGACCTCTCCGCG**TGA**

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001164600
- Insert Size:** 1500 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:	<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:	<u>NM_001164600.1</u> , <u>NP_001158072.1</u>
RefSeq Size:	1848 bp
RefSeq ORF:	1500 bp
Locus ID:	67959
UniProt ID:	<u>Q3UEB3</u>
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-TFIH basal transcription factor. Acts as a transcriptional repressor through the core-TFIH 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 (3) differs in the 5' UTR, lacks a portion of the 5' and 3' coding region, and initiates translation at an alternate downstream start codon, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.</p>