

Product datasheet for **RR216917**

Puf60 (NM_001191880) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Puf60 (NM_001191880) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Puf60
Synonyms:	Siahbp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216917 representing NM_001191880
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGACGGCAACTATAGCTCTCGTCAATGGCCAACAAGGAGGGGGTCCGAGCCAGCAGCAGCGGCTG
 CAGCGGCGGCGGCGCAGTGGTGGCAGCAGGAGACAAATGGAAACCTCCACAGGGCACAGAATCCATCAA
 GATGGAAAATGGGCAAAGCACAGGCACCAAGCTGGGGCTGCCTCCCTGACGCCCCGAGCAGCAGGAGGCC
 CTCCAGAAGGCCAAGAAATATGCAATGGAGCAGAGCATCAAGAGTGTGCTGGTGAAGCAGACCATCGCCC
 ACCAGCAGCAGCAGCTCACCAACCTGCAGATGGCAGCAGTGACAATGGGCTTTGGAGATCTCTCTCACC
 TTTGCAATCGATGGCAGCTCAGCGGCAGCGGCACTGGCTATCATGTGCCGGGTGTATGTGGTTCCATC
 TACTATGAGCTGGGAGAAGACACTATTCGCCAGGCCTTTGCTCCCTTTGGCCCCATCAAGAGCATTGATA
 TGTCTGGGACTCCGTTACCATGAAGCATAAAGGGCTTTGCCTTCGTGGAGTATGAGTCCAGAAGCTGC
 ACAGCTGGCTTTGGAGCAGATGAACTCTGTGATGCTTGGGGCAGGAACATCAAGTGGGAAGACCTAGC
 AACATCGGACAAGCCCAACCCATCATAGACCAGCTGGCTGAGGAGGCTAGGGCTTCAACCGAATATACG
 TGGCTCCGTACATCAGGACCTGTCTGATGATATCAAGAGTGTGTTGAAGCCTTCGGCAAGATCAA
 GTCTTGTACGCTGGCCCGGACCCACAACCTGGCAAGCACAAGGGCTATGGTTTTATCGAATATGAGAAG
 GCCCAGTCGTCCCAGGATGCTGTCTCCATGAACCTCTTTGATCTGGTGGCCAGTACTTGAGGGTGG
 GCAAGGCCGTACACCCCAATGCCCTGCTAACACCTGCCACGCTGGAGGTCTCCCGCTGCTGCTGC
 TGTGGCCGAGCTGCAGCCACAGCAAGATTACAGCTCAGGAAGCAGTGGCTGGAGCTGCAGTGTGGGT
 ACTTTAGCCACACCAGGACTAGTGTCCCAGCACTGACACTGGCCAGCCCTTAGGGGCCATCCCCAGG
 CTGTCTAGGCTGCCAAGCCCTGGAGTCATCACAGGTGTGACACCAGCCCGCCCTCTATTCGGTCCAC
 CATCCCTCTGTGGGAGTGGTGAACCCATCCTAGCCAGCCCGCAACGCTGGGTCTGTTGGAACCAAG
 AAGGAGAAGGAAGAGGAGGAGCTGTTTCCAGAGTCAGAGCGGCCAGAGATGTTGAGTGAGCAGGAGCACA
 TGAGCATCTCTGGCAGCAGTGTCTGACACATGGTCATGCAAAAGCTACTCAGAAAACAGGAGTCTACAGT
 GATGGTTCTCCGAAACATGGTGGATCCCAAGGACATTGATGATGACCTGGAGGGAGAGGTGACAGAGGAA
 TGTGGCAAATTTGGTGTGTGAACCGGTCATTATCTACCAAGAAAAACAGGGCGAGGAGGAAGTGCAG
 AAATCATCGTCAAGATTTTTGTGAATTTCCATGGCTTCAGAGACTCACAAGGCCATCCAGGCCCTCAA
 TGGCGCTGGTTTGGTGGTCGAAGGTGGTGAAGTGTATGACCAGGAGCGTTTTGATAACAGCGAC
 CTCTCTGCG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216917 representing NM_001191880
 Red=Cloning site Green=Tags(s)

MATATIALVNGQQGGSEPAAAAAAAAAAVVAAGDKWKPQGTESIKMENGQSTGTLGLPPLTPEQQEA
 LQKAKKYAMEQSIKSVLVKQTIHQQQQLTNLQMAAVTMGFGDPLSPLQSMAAQRQRALAIMCRVYVGS
 YYELGEDTIRQAFAPFGPIKSIDMSWDSVTMKHKGFAFVEYEVPEAAQLALEQMNSVMLGGRNIKVGRPS
 NIGQAQPIIDQLAEEARAFNRIYVASVHQDLSDDDIKSVFEAFGKIKSCTLARDPTTGKHKGYGFIYEK
 AQSSQDAVSSMNLFDLGGQYLRVGKAVTPPMLLTPATPGGLPPAAAVAAAAATAKITAQEAVAGAAVLG
 TLATPGLVSPALTLAQPLGALPQAVMAAQAPGVTITGVTPARPPIPVTIPSVGVVNPILASPTLGLLEPK
 KEKEEEEELFPESERPEMLSEQEHMSISGSSARHMVMQKLLRKQESTVMVLRNMVDPKIDDDLEGEVTEE
 CGKF GAVNRVIIYQEKQGEEDAEIIVKIFVEFSMASETHKAIQALNGRWFGRKVVAEVYDQERFDNSD
 LSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001191880

ORF Size: 1689 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001191880.1](#), [NP_001178809.1](#)

RefSeq Size: 1883 bp

RefSeq ORF: 1692 bp

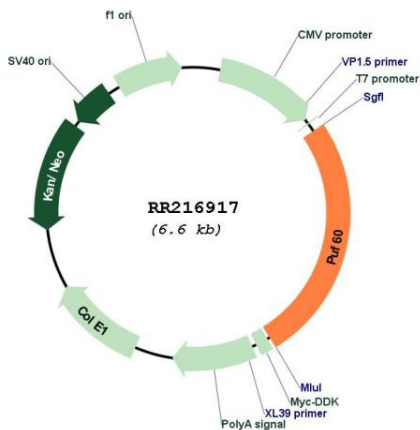
Locus ID: 84401

Cytogenetics: 7q34

MW: 60.1 kDa

Gene Summary: RNA-binding protein [RGD, Feb 2006]

Product images:



Circular map for RR216917