

Product datasheet for **RG227333**

PUF60 (NM_001136033) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PUF60 (NM_001136033) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PUF60
Synonyms:	FIR; RoBPI; SIAHBP1; VRJS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG227333 representing NM_001136033
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAACGGGCAGAGCACAGCCGCCAAGCTGGGGCTGCCTCCCCTGACGCCCCAGCAGCAGGAGGCC
 TTCAGAAGGCCAAGAAGTACGCCATGGAGCAGAGCATCAAGAGTGTGCTGGTGAAGCAGACCATCGCGCA
 CCAGCAGCAGCAGCTACCAACCTGCAGATGGCAGCAGTACAATGGGCTTTGGAGATCCTCTCTCACCT
 TTGCAATCGATGGCGGCTCAGCGGCAGCGGGCGCTGGCCATCATGTGCCGCTCTACGTGGGCTCTATCT
 ACTATGAGCTGGGGGAGGACACCATCCGCCAGGCCTTTGCCCTTTGGCCCCATCAAGAGCATCGACAT
 GTCCTGGGACTCCGTACCATGAAGCACAAGGGCTTTGCCTTCGTGGAGTATGAGGTCCCGAAGCTGCA
 CAGCTGGCCTTGAGCAGATGAAGTCCGGTATGCTGGGGGCAGGAACATCAAGGTGGGCAGACCCAGCA
 ACATAGGGCAGGCCAGCCATCATAGACCAGTTGGCTGAGGAGGCACGGGCCTCAACCGCATCTACGT
 GGCTCTGTGCACCAGGACCTCTCAGACGATGACATCAAGAGCGTGTGAGGCCTTTGGCAAGATCAAG
 TCCTGCACACTGGCCCGGACCCACAACCTGGCAAGCACAAGGGCTACGGCTTCATTGAGTACGAGAAGG
 CCCAGTCGTCCTCAAGATGCTGTGTCTTCCATGAACCTCTTTGACCTGGGTGGCCAGTACTTGCGGGTGGG
 CAAGGCTGTACACCGCCCATGCCCTACTCACACCAGCCACGCCTGGAGGCCTCCCACCTGCCGCTGCT
 GTGGCAGCTGCTGCAGCCACTGCCAAGATCACAGCTCAGGAAGCAGTGGCCGGAGCAGCGGTGCTGGGTA
 CCCTGGGCACACCTGGACTGGTGTCCCCAGCACTGACCTGGCCAGCCCTGGGCACCTTTGCCCCAGGC
 TGTCATGGCTGCCAGGCACCTGGAGTATCACAGGTGTACCCAGCCCGTCTCTATCCCGGTCAAC
 ATCCCTCGTGGGAGTGGTGAACCCATCCTGGCCAGCCCTCCAACGCTGGGTCTCTGGAGCCCAAGA
 AGGAGAAGGAAGAAGAGGAGCTGTTCCCGAGTCAGAGCGGCCAGAGATGCTGAGCGAGCAGGACACAT
 GAGCATCTCGGGCAGTAGCGCCCGACACATGGTATGCAGAAGCTGCTCCGCAAGCAGGAGTCTACAGTG
 ATGTTTCTGCGCAACATGGTGGACCCCAAGGACATCGATGATGACCTGGAAGGGGAGGTGACAGAGGAGT
 GTGGCAAGTTCGGGGCCGTGAACCGCGTCATCATCTACCAAGAGAAAACAAGGCGAGGAGGAGGATGCAGA
 AATCATTGTCAAGATCTTTGTGGAGTTTCCATAGCCTCTGAGACTCATAAGGCCATCCAGGCCCTCAAT
 GGCCGCTGGTTTGTGGCCGAAGGTGGTGGCTGAAGTGTACGACCAGGAGCGTTTTGATAACAGTGACC
 TCTCTGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG227333 representing NM_001136033
 Red=Cloning site Green=Tags(s)

MENGQSTAAKLG LPLTPEQEQEALQKAKKYAMEQSIKSVLVKQTI AHQQQQLTNLQMAAVTMGFGDPLSP
 LQSMAAQRQRALAIMCRVYVGSIIYELGEDTIRQAFAPFGPIKSIDMSWDSVTKHKGFVFEYEVPEAA
 QLALAEQMNSVMLGGRNIKVGRPSNIGQAQPIIDQLAEEARAFNRIYVASVHQDLSDDDIKSVFEAFGKIK
 SCTLARDPTTGKHKGYGFI EYEKAQSSQDAVSSMNLFDLGGQYLRV GKAVTPMPLLTPATPGGLPPAAA
 VAAAAATAKITAQEAVAGAAVLGTLGTPGLVSPALTLAQPLGTL PQAVMAAQAPGVITGVTPARPPIPVT
 IPSVGVVNPILASPPTLGLLEPKKEKEEEELFPESERPEMLSEQEHMSISGSSARHMVMQKLLRKQESTV
 MVL RNMVDPKIDDDLEGEVTEECGKFGAVNRV I IYQEKQGEEDAEIIVKIFVEFSIASETHKAIQALN
 GRWFAGRKVVAEVVDQERFDNSDL SA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_001136033
ORF Size:	1548 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:	<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_001136033.3
RefSeq Size:	1967 bp
RefSeq ORF:	1551 bp
Locus ID:	22827
UniProt ID:	Q9UHX1
Cytogenetics:	8q24.3
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]