

Product datasheet for **RC208767**

RBBP5 (NM_005057) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBBP5 (NM_005057) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBBP5
Synonyms:	RBQ3; SWD1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC208767 representing NM_005057
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCTCGAGTTGCTGGAGTCCTTTGGGCAGAACTATCCAGAGGAAGCTGATGGAACTTTGGATTGTA
 TCAGCATGGCTTTGACTTGCACCTTAAACAGGTGGGGCAGACTGCTTGCAGTTGGCTGTAATGATGGCCG
 AATTGTGTCATCTGGGATTTCTTGACAAGAGGCATTGCTAAAATAATTAGTGCACACATCCATCCAGTGTGT
 TCTTTATGCTGGAGCCGAGATGGTCATAAACTCGTGTGCTTCCACTGATAACATAGTGTACAGTGGG
 ATGTTCTTTAGGCGACTGTGACCAGAGGTTTCGATTCCCTTACCCATCTTAAAAGTCCAATATCATCC
 ACGAGATCAGAACAAGGTTCTCGTGTGCCATGAAATCTGCTCCTGTCATGTTGACCTTTAGATTCC
 AAACATGTTGTTCTGCCGGTGGACGATGACTCCGATTTGAACGTTGTGGCATCTTTGATAGGCGAGGGG
 AATATATTTATACGGGAAACGAAAAGGCAAGATTTTGGTCTAAAACAGATTCTCAGGATCTTGTTC
 TTCCTTACAGAGTGACAACCTGGAACAAGCAATACCACAGCCATTAAGTCAATTGAGTTGCCCGAAGGGG
 AGTTGCTTTTTAATTAACACGGCAGATCGAATAATCAGAGTTTATGATGGCAGAGAAATCTTAACATGTG
 GAAGAGATGGAGAGCCTGAACCTATGCAGAAATTCGAGGATTTGGTGAATAGGACCCCATGGAAGAAATG
 TTGTTTCTCTGGGGATGGGAATACATCGTGGCAGGTTCTGCCCGCAGCATGCCCTGTACATCTGGGAG
 AAGAGCATTGGCAACCTGGTGAAGATTCCATGGGACGAGAGGAGAAGTCCCTTTGGATGTAGCTTGGC
 ATCCTGTTTCGACCATCATAGCATCCATTTCCAGTGGAGTGGTATCTATCTGGGCACAGAATCAAGTAGA
 AAAGTGGAGTGCATTTGCACCAGACTTCAAAGAATTGGATGAAAATGTAGAATACGAAGAAAGGGAAATCA
 GAGTTTGATATTGAAGATGAAGATAAGAGTGAGCCTGAGCAGACAGGGGCTGATGCTGCAGAAGATGAA
 AAGTGGATGTACCAGCGTGGACCTATTGCTGCCTTCTGTAGCAGTGTGAAGAGCTGGAAGATTCAA
 GGCTCTATTGATTTACCCATTGCCCTGAGGTAGAAGACCCAGAAGAAAATCCTTACGGCCCCCACC
 GATGCAGTCCAAACCTCCTTGATGGATGAAGGGGCTAGTTCAGAGAAGAAGAGGCAGTCCCTCAGCAGATG
 GGTCCCAGCCACCTAAGAAGAAACCCAAAACAACCAATATAGAAGTCAAGGAGTACCAATGATGAAGT
 CCATCCACTACTGGGTGTGAAGGGGATGGCAAATCCAAGAAGAAGCAAGCAGGCCGGCCTAAAGGATCA
 AAAGGTAAGAGAAAGATTCTCCATTTAAACCGAAACTCTACAAAGGGGACAGAGTTTACCTCTGGAAG
 GATCAGCGAAGGGTAAAGTGCAGGCGGAACCTAGCCAGCCCTTGACAGCAGGAGGAGCAATCTCAGAACT
 GTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208767 representing NM_005057
 Red=Cloning site Green=Tags(s)

MNLELLESFGQNYPEEADGTLDCISMLTCTFNRWGTLAVGCNDGRIVIWDFLTRGIAKIISAHHPVC
 SLCWSRDGHKLVASSTDNIVSQWDVLSGDCDQRFSPILKVQYHPRDQNKVLVCPMKSAPVMLTSDS
 KHVVLVDDSDLNVAASFDRRGEIYITGNAKGIILVLKTDSDLVASFRVTTGTSNTTAIKSIEFARKG
 SCFLINTADRIIRVYDGREILTCGRDGEPEPMQKLQDLVNRTPWKKCCFSGDGEYIVAGSARQHLYIWE
 KSIIGNLVKILHGTRGELLLDVAWHPVRPIIASISSGVVSIWAQNQVENWSAFAPDFKELDENVEYERES
 EFDIEDEKSEPEQTGADAAEDEEVDVTSVDPIAAFSSDEELEDKALLYLPIAPEVEDPEENPYGPPP
 DAVQTSMDGASSEKQRSSADGSQPPKKPKTTNIELQGVPNDEVHPLLGVKGDGKSKKKQAGRPKGS
 KGKEKDSFPKPKLYKGRGLPLEGSAKGVQAELSQPLTAGGAISELL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

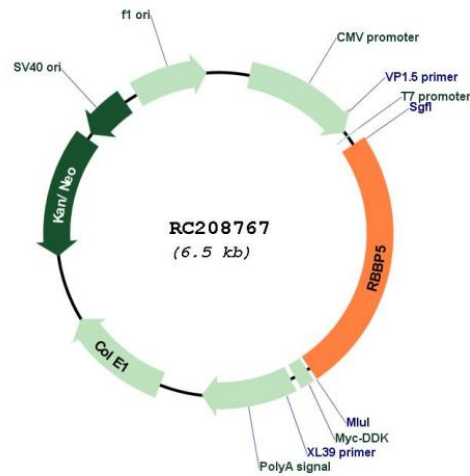
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN:	NM_005057
ORF Size:	1614 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_005057.4
RefSeq Size:	4423 bp
RefSeq ORF:	1617 bp
Locus ID:	5929
UniProt ID:	Q15291
Cytogenetics:	1q32.1
Domains:	WD40
Protein Families:	Druggable Genome
MW:	59.2 kDa
Gene Summary:	This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. The encoded protein binds directly to retinoblastoma protein, which regulates cell proliferation. It interacts preferentially with the underphosphorylated retinoblastoma protein via the E1A-binding pocket B. Three alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2010]