

Product datasheet for **RG208767**

RBBP5 (NM_005057) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBBP5 (NM_005057) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBBP5
Synonyms:	RBQ3; SWD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG208767 representing NM_005057
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACCTCGAGTTGCTGGAGTCCTTTGGCAGAACTATCCAGAGGAAGCTGATGGAACTTGGATTGTA
 TCAGCATGGCTTTGACTTGCACCTTTAACAGGTGGGGCAGCTGCTTGCAGTTGGCTGTAATGATGGCCG
 AATTGTGTCATCTGGGATTTCTTGACAAGAGCATTGCTAAAATAATTAGTGCACACATCCATCCAGTGTG
 TCTTTATGCTGGAGCCGAGATGGTCATAAACTCGTGTGCTTCCACTGATAACATAGTGTACAGTGGG
 ATGTTCTTTAGGCGACTGTGACCAGAGGTTTCGATTCCCTTACCCATCTTAAAAGTCCAATATCATCC
 ACGAGATCAGAACAAGTTCTCGTGTGCCATGAAATCTGCTCCTGTCATGTTGACCCTTTCAGATTCC
 AAACATGTTGTTCTGCCGGTGGACGATGACTCCGATTTGAACGTTGTGGCATCTTTGATAGCGAGGGG
 AATATATTTATACGGGAAACGAAAAGGCAAGATTTTGGTCTAAAACAGATTCTCAGGATCTTGTTC
 TTCCTTCAGAGTGACAACCTGGAACAAGCAATACCACAGCCATTAAGTCAATTGAGTTGCCCGAAGGGG
 AGTTGCTTTTTAATTAACACGGCAGATCGAATAATCAGAGTTTATGATGGCAGAGAAATCTTAACATGTG
 GAAGAGATGGAGAGCCTGAACCTATGCAGAAATTCGAGGATTTGGTGAATAGGACCCCATGGAAGAAATG
 TTGTTTCTCTGGGGATGGGAATACATCGTGGCAGGTTCTGCCCGCAGCATGCCCTGTACATCTGGGAG
 AAGAGCATTGGCAACCTGGTGAAGATTCCTATGGGACGAGAGGAGAAGTCTCTGGATGTAGCTTGGC
 ATCCTGTTTCGACCATCATAGCATCCATTTCCAGTGGAGTGGTATCTATCTGGGCACAGAATCAAGTAGA
 AAAGTGGAGTGCATTTGCACCAGACTTCAAAGAATTGGATGAAAATGTAGAATACGAAGAAAGGGAAATCA
 GAGTTTGATATTGAAGATGAAGATAAGAGTGAGCCTGAGCAGACAGGGGCTGATGCTGCAGAAGATCAAA
 AAGTGGATGTCACCAGCGTGGACCTATTGCTGCCTTCTGTAGCAGTGATGAAGAGCTGGAAGATCAAA
 GGCTCTATTGATTTACCATTGCCCTGAGGTAGAAGACCCAGAAGAAAATCCTTACGGCCCCCACC
 GATGCAGTCCAAACCTCCTTGATGGATGAAGGGGCTAGTTCAGAGAAGAAGAGGCAGTCCCTCAGCAGATG
 GGTCCCAGCCACCTAAGAAGAAACCCAAAACAACCAATATAGAAGTCAAGGAGTACCAATGATGAAGT
 CCATCCACTACTGGGTGTGAAGGGGATGGCAAAATCCAAGAAGAAGCAAGCAGGCCGGCCTAAAGGATCA
 AAAGGTAAGAGAAAGATTCTCCATTTAAACCGAAACTCTACAAAGGGGACAGAGTTTACCTCTGGAAG
 GATCAGCGAAGGGTAAAGTGCAGGCGGAACCTCAGCCAGCCCTTGACAGCAGGAGGAGCAATCTCAGAAGT
 GTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208767 representing NM_005057
 Red=Cloning site Green=Tags(s)

MNLELLESFGQNYPEEADGTLDCISMLTCTFNRWGTLAVGCNDGRIVIWDFLTRGIAKII SAHIHPVC
 SLCWSRDGHKLVSASTDNIVSQWDVLSGDCDQRFSPILKVQYHPRDQNKVLVCPMKSAPVMLTSDS
 KHVVLVDDSDLNVAASFDRRGEIYTGNAKGKILVLKTDSDLVASFRVTTGTSNTTAIKSIEFARKG
 SCFLINTADRIIRVYDGREILTCGRDGEPEPMQKLDLVNRPWKCCFSGDGEYIVAGSARQHALYIWE
 KSIGNLVKILHGTRGELLLDVAWHPVRPIIASISSGVVSIWAQNQVENWSAFAPDFKELDENVEYEERES
 EFDIEDEKSEPEQTGADAAEDEVDVTSVDPIAAFCSSDEELEDKALLYLPIAPEVEDPEENPYGPPP
 DAVQTSMLMDEGASSEKKRQSSADGSQPPKKPKTTNIELQGVPNDEVHPLLGVKGDGKSKKKQAGRPKGS
 KGKEKDSPFKPKLYKGRGLPLEGSAKGVQAE LSQPLTAGGAISELL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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:**
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

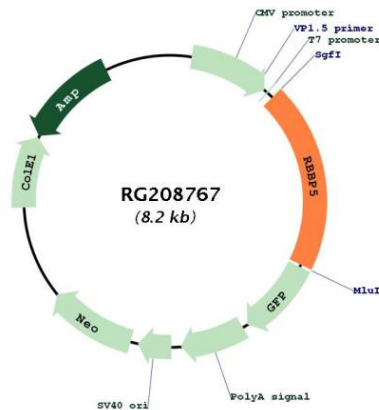
RefSeq ORF: 1617 bp

Locus ID: 5929

UniProt ID: [Q15291](#)

Cytogenetics: 1q32.1
Domains: WD40
Protein Families: Druggable Genome
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]

Product images:



Circular map for RG208767