

## Product datasheet for **RG217969**

### RbAp46 (RBBP7) (NM\_002893) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RbAp46 (RBBP7) (NM_002893) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RbAp46
Synonyms:	RbAp46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217969 representing NM_002893 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGAGTAAAGAGATGTTTGAAGATACTGTGGAGGAGCGTGCATCAATGAAGAATATAAAATCTGGA  
AGAAGAATACACCGTTTCTATATGACCTGGTTATGACCCATGCTCTTCAGTGGCCAGTCTTACC GTTCA  
GTGGCTTCTGAAGTGACTAAACCTGAAGGAAAAGATTATGCCCTTCATTGGCTAGTGTGGGACTCAT  
ACGTCTGATGAGCAGAATCATCTGGTGGTTGCTCGAGTACATATCCCAATGATGATGCACAGTTTGATG  
CTTCCCATTGTGACAGTGACAAGGGTGAATTTGGTGGCTTTGGTCTGTAAACAGGAAAAATTGAATGTGA  
AATTTAAATCAATCACGAAGGAGAAGTAAACCGTCTCGTTACATGCCGAGAATCCTCACATCATTGCT  
ACAAAAACACCATCTTCTGATGTGTTGGTTTTTACTATACAAAAACCCCTGCTAAACCAGACCCAAAGT  
GAGAATGTAATCCTGATCTCAGATTAAGAGGTCACCAGAAGGAAGGCTATGGTCTCTCTGGAATTCAAA  
TTTGAGTGGACATCTCCTAAGTGATCTGATGACCATACTGTTTGTCTGTGGGATATAAACCGCAGGACCA  
AAAGAAGGCAAAATTGTGGATGCTAAAGCCATCTTACTGGCCACTCAGCTGTTGTAGAGGATGTGGCT  
GGCACCTGCTGCACGAGTCATTGTTGGATCTGTTGCTGATGATCAGAACTTATGATATGGGACACCAG  
GTCCAATACCACCTCCAAGCCGAGTCACCTGGTGGATGCGCACACTGCCGAAGTCAACTGCCTCTCATT  
AATCCCTACAGCGAATTTATTCTAGCCACCGGCTCTGCGGATAAGACCGTAGCTTTATGGGATCTGCGTA  
ACTTAAAATTAACCTCACCTTCAATCTCATAAAGATGAAATTTTCCAGGTCCACTGGTCTCCACA  
TAATGAACTATTCTGGCTTCAAGTGGTACTGACCGCCGCTGAATGTGTGGGATTTAAGTAAAATTGGG  
GAAGAACAATCAGCAGAAGATGCAGAAGATGGCCTCCAGAACTCCTGTTTATTTCATGGAGGACACACTG  
CTAAGATTTAGATTTTAGCTGGAACCCCAATGAGCCTTGGGTCAATTTGCTCAGTGTCTGAGGATAACAT  
CATGCAGATATGGCAATGGCTGAAAATATTTACAATGATGAAGAGTCAGATGTCACGACATCCGAAGT  
GAGGGACAAGGATCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

**Protein Sequence:** >RG217969 representing NM\_002893  
Red=Cloning site Green=Tags(s)

MASKEMFEDTVEERVINEEYKIWKKNTPFLYDLVMTHALQWPSLTVQWLPEVTKPEGKDYALHWLVLGTH  
 TSDEQNHLLVVARVHIPNDDAQFDASHCDSKGEFGGFSVTGKIECEIKINHEGEVNRARYMPQNPPIIA  
 TKTPSSDVLVFDYTKHPAKPDPSGECNPDLRLRGHQKEGYGLSWNSNLSGHLLSASDDHTVCLWDINAGP  
 KEGKIVDAKAIFTGHSAVVEDVAWHLLHESLFGSVADDQKLMIWDRSNTTSKPSHLVDAHTAEVNCLSF  
 NPYSEFILATGSADKTVALWDLRNLKLLHTFESHKDEIFQVHWSPHNETILASSGDRRLNVWDLKIG  
 EEQSAEDAEDGPELLEFIHGHTAKISDFSWNPNEPWVICSVSEDNIMQIWQMAENIYNDEESDVTSEL  
 EGQGS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_002893

**ORF Size:** 1275 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\\_002893.4](#)

**RefSeq Size:** 1946 bp

**RefSeq ORF:** 1278 bp

**Locus ID:** 5931

**UniProt ID:** [Q16576](#)

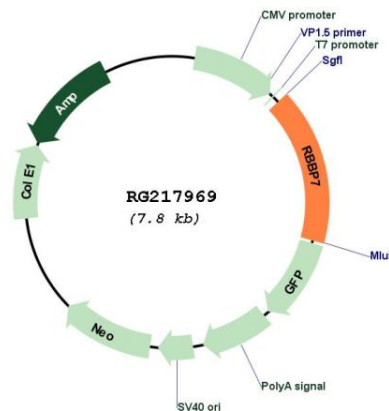
**Cytogenetics:** Xp22.2

**Domains:** WD40

**Protein Families:** Druggable Genome

**Gene Summary:** This protein is a ubiquitously expressed nuclear protein and belongs to a highly conserved subfamily of WD-repeat proteins. It is found among several proteins that binds directly to retinoblastoma protein, which regulates cell proliferation. The encoded protein is found in many histone deacetylase complexes, including mSin3 co-repressor complex. It is also present in protein complexes involved in chromatin assembly. This protein can interact with BRCA1 tumor-suppressor gene and may have a role in the regulation of cell proliferation and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

### Product images:



Circular map for RG217969