

## Product datasheet for **RG208761**

### **RbAp48 (RBBP4) (NM\_005610) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RbAp48 (RBBP4) (NM_005610) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RbAp48
Synonyms:	lin-53; NURF55; RBAP48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208761 representing NM_005610 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGACAAGGAAGCAGCCTTCGACGACGCAGTGGGAAGACGAGTGATCAACGAGGAATACAAAATAT  
GGAAAAAGAACACCCCTTTCTTTATGATTTGGTGATGACCCATGCTCTGGAGTGGCCAGCCTAACTGC  
CCAGTGGCTTCCAGATGTAACCAGACCAGAAGGGAAAGATTTGAGTTCATCGACTTGCCTGGGGACA  
CACACATCGGATGAACAAAACCATCTTGTATAGCCAGTGTGCAGCTCCCTAATGATGATGCTCAGTTG  
ATGCGTCACACTACGACAGTGAGAAAGGAGAATTTGGAGTTTTGGTTGAGTTAGTGAAAAATTGAAAT  
AGAAATCAAGATCAACCATGAAGGAGAAGTAAACAGGGCCGTTATATGCCCCAGAACCCCTGTATCATC  
GCAACAAAGACTCCTTCCAGTGTGTTCTGTCTTTGACTATACAAAACATCCTTCTAAACCAGATCCTT  
CTGGAGAGTGCAACCCAGACTTGCCTCTCCGTGGACATCAGAAGGAAGGCTATGGGCTTTCTTGGAAACC  
AAATCTCAGTGGGCACTTACTTAGTGCTTCAGATGACCATACCATCTGCCTGTGGGACATCAGTGCCGT  
CCAAAGGAGGGAAAAGTGGTAGATGCGAAGACCATCTTTACAGGGCATACGGCAGTAGTAGAAGATGTTT  
CCTGGCATCTACTCCATGAGTCTCTGTTTGGGTCAGTTGCTGATGATCAGAACTTATGATTTGGGATAC  
TCGTTCAAACAATACTTCAAACCAAGCCACTCAGTTGATGCTCACACTGCTGAAGTGAAGTGCCTTTCT  
TTCAATCCTTATAGTGAGTTTCACTTTGCCACAGGATCAGCTGACAAGACTGTTGCCCTTGGGATCTGA  
GAAATCTGAAACTTAAGTTGCATTCTTTGAGTCACATAAGGATGAAATATTCCAGGTTCCAGTGGTCAAC  
TCACAATGAGACTATTTAGCTTCCAGTGGTACTGATCGCAGACTGAATGTCTGGGATTTAAGTAAAT  
GGAGAGGAACAATCCCCAGAAGATGCAGAAGACGGGCCACCAGAGTTGTTGTTTATTCATGGTGGTCATA  
CTGCCAAGATATCTGATTTCTCCTGGAATCCCAATGAACCTTGGGTGATTTGTTCTGTATCAGAAGACAA  
TATCATGCAAGTGTGGCAAATGGCAGAGAACATTTATAATGATGAAGACCCTGAAGGAAGCGTGGATCCA  
GAAGGACAAGGTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208761 representing NM\_005610  
Red=Cloning site Green=Tags(s)

MADKEAAFDDAVEERVINEEYKIWKNTPLYDLVMTHALEWPSLTAQWLPDVTRPEGKDFSIHRLVLGT  
 HTSDEQNLVIASVQLPNDDAQFDASHYDSEKGEFGGFGSVSGKIEIEIKINHEGEVNRARYMPQNPCII  
 ATKTPSSDVLVFDYTKHPSKPDPSGECNPDRLRGHQKEGYGLSWNPNSGHLLSASDDHTICLWDISAV  
 PKEGKVVDAKTIFGTHTAVVEDVSWHLLHESLFGSVADDQKLMIWDRSNNTSKPSHSVDAHTAEVNCLS  
 FNPYSEFILATGSADKTVALWDLRNLKLLHSFESHKDEIFQVQWSPHNETILASSGTDRLNLNVWDLSKI  
 GEEQSPEDAEDGPPELLFIHGGHTAKISDFSWNPNEPWVICSVSEDNIMQVWQMAENIYNDEDPEGSVDP  
 EGQGS

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005610

**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\\_005610.1](#), [NP\\_005601.1](#)

**RefSeq Size:** 2314 bp

**RefSeq ORF:** 1278 bp

**Locus ID:** 5928

**UniProt ID:** [Q09028](#)

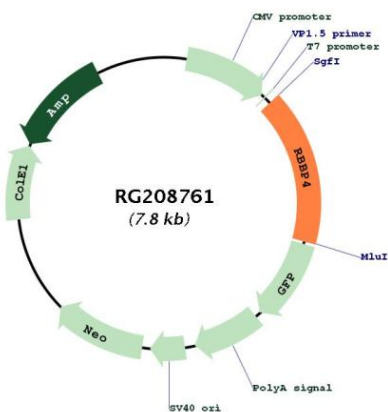
**Cytogenetics:** 1p35.1

**Domains:** WD40

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. It is present in protein complexes involved in histone acetylation and chromatin assembly. It is part of the Mi-2 complex which has been implicated in chromatin remodeling and transcriptional repression associated with histone deacetylation. This encoded protein is also part of co-repressor complexes, which is an integral component of transcriptional silencing. It is found among several cellular proteins that bind directly to retinoblastoma protein to regulate cell proliferation. This protein also seems to be involved in transcriptional repression of E2F-responsive genes. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]

Product images:



Circular map for RG208761