

Product datasheet for **SC324030**

RbAp48 (RBBP4) (NM_005610) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RbAp48 (RBBP4) (NM_005610) Human Untagged Clone
Tag:	Tag Free
Symbol:	RbAp48
Synonyms:	lin-53; NURF55; RBAP48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005610.1
 GCGAGCTCTTGCAGCCTCCCGCCCTCCCGCAACGCTCGACCCAGGATCCCCGGCT
 CGCCTGCCGCCATGGCCGACAAGGAAGCAGCCTTCGACGACGCAGTGGGAAGACGAGTG
 ATCAACGAGGAATACAAAATATGGAAAAAGAACCCCTTTTCTTATGATTTGGTGATG
 ACCCATGCTCTGGAGTGGCCAGCCTAACTGCCAGTGGCTTCCAGATGTAACCAGACCA
 GAAGGGAAGATTTGAGCATTTCGACTTGTCTGGGGACACACACATCGGATGAACAA
 AACCTTTGTTATAGCCAGTGTGCAGTCCCTAATGATGATGCTCAGTTTGTGCGTCA
 CACTACGACAGTGAGAAAGGAGAATTTGGAGGTTTTGGTTCAGTTAGTGGAAAAATTGAA
 ATAGAAATCAAGATCAACCATGAAGGAGAAGTAAACAGGGCCCGTTATATGCCCCAGAAC
 CCTTGTATCATCGCAACAAAGACTCCTTCCAGTGTGTTCTTGTCTTTGACTATACAAAA
 CATCCTTCTAAACCAGATCCTTCTGGAGAGTGCAACCCAGACTTGCGTCTCCGTGGACAT
 CAGAAGGAAGGCTATGGGCTTTCTTGAACCCAAATCTCAGTGGGCACTTACTTAGTGCT
 TCAGATGACCATACCATCTGCCTGTGGGACATCAGTGCCGTTCCAAGGAGGGAAAAAGTG
 GTAGATGCGAAGACCATCTTACAGGGCATAACGGCAGTAGTAGAAGATGTTTCTGGCAT
 CTAATCCATGAGTCTCTGTTGGGTCAGTTGCTGATGATCAGAACTTATGATTTGGGAT
 ACTCGTTCAAACAATACTTCAAACCAAGCCACTCAGTTGATGCTCACACTGCTGAAGTG
 AACTGCCTTTCTTCAATCCTTATAGTGAGTTCATTCTTGCCACAGGATCAGTGACAAG
 ACTGTTGCCTTGTGGGATCTGAGAAATCTGAACTTAAGTTGCATTCTTTGAGTCACAT
 AAGGATGAAATATTCCAGGTTGAGTGGTCACTCACAATGAGACTATTTAGCTTCCAGT
 GGTACTGATCGCAGACTGAATGTCTGGGATTTAAGTAAATTTGGAGAGGAACAATCCCCA
 GAAGATGCAGAAGACGGGCCACCAGAGTTGTTGTTTATTCATGGTGGTCATACTGCCAAG
 ATATCTGATTTCTCTGGAATCCCAATGAACCTTGGGTGATTTGTTCTGTATCAGAAGAC
 AATATCATGCAAGTGTGGCAAATGGCAGAGAACATTTAATGATGAAGACCCCTGAAGGA
 AGCGTGGATCCAGAAGGACAAGGTCCTAGATATGTCTTTACTTGTGATTTTAGACT
 CCCCTTTTTCTTCTCAACCCTGAGAGTGATTTAACACTGGTTTTGAGACAGACTTTATT
 CAGCTATCCCTCTATATAATAGGTACCACCGATAATGCTATTAGCCCAAACCGTGGGTGT
 TTTCTAAATATTAATAGGGGGCTTGATTCAACAAAGCCACAGACTTAACGTTGAAATTT
 TCTTCAGGAATTTCTAGTAACCCAGGTCTAAAGTAGCTACAGAAAGGGGAATATTATGT
 GTGATTATTTTTCTTCTATGCTATATCCCAAGTTTTTCAGACTCATTAAGTAAAGGC
 TAGAGTGAGTAAGGAATAGAGCCAAATGAGGTAGGTGTCTGAGCCATGAAGTATAAATAC
 TGAAGATGTCACTTTTATTCAGGAAATAGGGGGAGATTCAGTGTATAGATTCCTACT
 CGAAAATCTTGACACCTGACTTTCCAGGATGCACATTTTCATACGTAGACCAGTTTCCTC
 TTGGTTTTCTCAGTTAAGTCAAACAACACGTTCTCTTTCCCCATATATTCATATATTT
 TTGCTCGTTAGTGATTTCTTGAGCTGTTTTCATGTTGTTTATTTCTGTCTGTGAAATG
 GTGTTTTTTTTTTGTTGTTGGTTTTTTTTTTTTTTTTTAACTTGGGACCAAGTTGT
 AAAGATGTATGTTTTACCTGACAGTTATACCACAGGTAGACTGTCAAGTTGAGAAGAGT
 GAATCAATAACTGTATTTGTTTTAAAAATTAATTAATCCTTGATAAGAGTTGCTTTTT
 TTTTTAGGAGTTAGTCTTGACCACTAGTTTGTGCCATCTCCATTTTGGGTGACCTGTT
 TCACCAGCAGGCTGTTACTCTCCATGACTAAGTGTGTAAGTGCTTAAAAATGGAATAAAT
 TGCTTTTCTACATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_005610

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_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:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>