

Product datasheet for **SC116632**

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: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_005610, the custom clone sequence may differ by one or more nucleotides |

```
ATGGCCGACAAGGAAGCAGCCTTCGACGACGAGTGAAGAACGAGTGATCAACGAGGAATACAAAATAT
GGAAAAAGAACACCCCTTTCTTTATGATTTGGTGATGACCCATGCTCTGGAGTGGCCAGCCTAACTGC
CCAGTGGCTTCCAGATGTAACCAGACCAGAAGGGAAAGATTTTCAGCATTTCGACTTGCCTGGGGACA
CACACATCGGATGAACAAAACCATCTTGTATAGCCAGTGTGCAGCTCCCTAATGATGATGCTCAGTTTG
ATGCGTCACACTACGACAGTGAGAAAGGAGAATTTGGAGGTTTTGGTTCAGTTAGTGAAAAATTGAAAT
AGAAATCAAGATCAACCATGAAGGAGAAGTAAACAGGGCCCGTTATATGCCCCAGAACCCTTGATCATC
GCAACAAAGACTCCTTCCAGTGATGTTCTGTTTTGACTATACAAAACATCCTTCTAAACCAGATCCTT
CTGGAGAGTGCAACCCAGACTTGCCTCCGTGGACATCAGAAGGAAGGCTATGGGCTTTCTTGGAACCC
AAATCTCAGTGGGCACTTACTTAGTGCTTCAGATGACCATACCATCTGCCTGTGGGACATCAGTGCCGTT
CCAAAGGAGGGAAAAAGTGGTAGATGCGAAGACCATCTTTACAGGGCATACGGCAGTAGTAGAAGATGTTT
CCTGGCATCTACTCCATGAGTCTCTGTTTGGGTGAGTTGCTGATGATCAGAACTTATGATTTGGGATAC
TCGTTCAAACAATACTTCCAAACCAAGCCACTCAGTTGATGCTCACACTGCTGAAGTGAAGTGCCTTTCT
TTCAATCCTTATAGTGAGTTCATTCTTGCCACAGGATCAGCTGACAAGACTGTTGCCTTGTGGGATCTGA
GAAATCTGAAACTTAAGTTGCATTCTTTGAGTCACATAAGGATGAAATATTCAGGTTTCAGTGGTCACC
TCACAATGAGACTATTTAGCTTCCAGTGGTACTGATCGCAGACTGAATGTCTGGATTTAAGTAAAAT
GGAGAGGAACAATCCCCAGAAGATGCAGAAGACGGGCCACAGAGTTGTTGTTTATTCATGGTGGTCATA
CTGCCAAGATATCTGATTTCTCCTGGAATCCCAATGAACCTTGGGTGATTTGTTCTGTATCAGAAGACAA
TATCATGCAAGTGTGGCAAATGGCAGAGAACATTTATAATGATGAAGACCCTGAAGGAAGCGTGGATCCA
GAAGGACAAGGGTCCTAG
```



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005610 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCACAGAGCGAGCTCT
 TGCAGCCTCCCGCCCTCCCGCAACGCTCGACCCAGGATCCCCCGGCTCGCCTGCC
 GCCATGGCCGACAAGGAAGCAGCCTTCGACGACGAGTGAAGAAGCAGTGATCAACGAG
 GAATACAAAATATGAAAAAAGAACCCCTTTTCTTTATGATTTGGTGATGACCCATGCT
 CTGGAGTGGCCAGCCTAACTGCCAGTGGCTCCAGATGAACCAGACCAGAAGGGAAA
 GATTTTCAGCATTTCGACTTGTCTGGGGACACACATCGGATGAACAAAACCATCTT
 GTTATAGCCAGTGTGCAGCTCCCTAATGATGATGCTCAGTTTGTGCGTCACACTACGAC
 AGTGAGAAAAGGAGAATTTGGAGTTTTGGTTTCAGTTAGTGAAAAAATTGAAATAGAAATC
 AAGATCAACCATGAAGGAGAAGTAAACAGGGCCCGTTATATGCCCCAGAACCCTGTATC
 ATCGCAACAAAGACTCCTCCAGTGATGTTCTTGTCTTTGACTATACAAAACATCCTTCT
 AAACCAGATCCTTCTGGAGAGTGAACCCAGACTTGCCTCCGTGGACATCAGAAGGAA
 GGCTATGGGCTTTCTTGGAAACCCANATCTCAGTGGGCACTTACTAGTGCTTCAGATGAC
 CATACCATCTGCCTGTGGGACATCAGTGCCTTCCAAAGAAGGAAAAGTGGTAGATGCG
 AAGACCCATCTTACAGGGCATAACGCGAGTAGTAGAAGATGTTCTGGCATCTACTCCATG
 AGTCTCTGTTGGCCAGTGCTGATGATCAAAAACATGATTTGGGATACTCGCTCAAAC
 AT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005610 unedited
 TATGAACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTATGTAGAAA
 AACAAATTTATTCCATTTAAAGCACTTACACAGTTAGTCATGGAGAGTAACAGGCCTGCTG
 GTGAAACAGGTCACCCAAAATGGAGATGGCATCAAACCTAGTGGTCAAGGACTAACCTCCTA
 AAAAAAAAAACAACCTTATCAAGGATTAATTTAATTTTTAAAAACAAATACAAGTTATTG
 ATTCACCTTTCTCAACTGACAGTCTACCTGTGGTATAACTGTCAGGTAACAAACATACAT
 CTTTACAACCTTGGTGGTCCCAAGTTAAAAAAAAAAAAAAAAAACCACAAACAAAAA
 AACACCATTTACAGACAGGAAATAAACAAACATGAAAACAGCTCAAGAAATACACTAAC
 GAGCAAAAATATATGAATATATGGGGAAAGAGGAACGTGTTGTTTTGACTTAACTGAAAA
 AACCAAGAGGAAACTGGTCTACGTATGAAAATGTGCATCCTGGAAAGTCAAGTGTCAAGA
 TTTTCGAGTAGGAATCTATACGACTTGAATCTCCCCCTATTTCTGAATAAAAGTGACAT
 CTTTCAGTATTTAATACTCATGGCTCAAACACCTACCTCATTGGCTCTATTCTTACTC
 ACTCTAGCCTTTACTTAAATGAGTCTGAAAAACTTGGGGATATAGCATAAGAAGAAAAAT
 AATCACACATAAATATCCCTTTCTGTAGCTACTTTAGACCTGNGTTACTAGAAAATTCC
 TGAAGAAAATTTCAACGTAAGTCTGTGGCTTNTGTGAATCAAGCCCCCTATAAATTTAG
 AAAACACCACGTTTGGCTATAGCATTATCGTGGTACTATTTATANAGGGGAGCTGATAA
 AGN

Restriction Sites:

ECoRI-NOT

ACCN:

NM_005610

Insert Size:

2440 bp

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).

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]

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.