

## Product datasheet for **SC108750**

### **RAP1 (TERF2IP) (NM\_018975) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RAP1 (TERF2IP) (NM_018975) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAP1
Synonyms:	DRIP5; RAP1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_018975 edited
GAATTCGGCACGAGGGTTGAGCTCTGTGTGCCAGGCGCTCGCGAGGGGGTAGCTCTTCTA
GTAGTGTCTCGGCGTCAGACATGGCGGAGGCGATGGATTTGGGCAAAGACCCCAACGGGCC
CACCCATTCTCGACTCTGTTCTGTGAGGGACGACGGCAGCTCCATGTCTTCTACGTGCG
GCCCAGCCCGCCAAGCGTCGGCTGTGACGCTCATCTGCACGGCGCGGCACCGTGTG
CCGAGTGCAGGAGCCCGGGGCCGTGCTGCTGGCCAGCCCGGGAGGCGCTGGCCGAGGC
CTCGGGTGATTTTCATCTCCACGCAATACATCTTGGACTGCGTGGAGCGCAACGAGAGGCT
GGAGCTGGAGGCCATATCGGCTGGGCCCCGCTCGGCGGGGACACCGGCTCGGAAGCAAA
GCCCGGGGCCCTGGCCGAGGGCGCCGCGGAGCCGAGCCGACGGCACGCCGGGGCGGAT
CGCCTTACGGATGCGGACGACGTAGCCATCCTTACCTACGTGAAGGAAAATGCCCGCTC
GCCCAGCTCCGTACCGGTAACGCCTTGTGAAAGCGATGGAGAAGAGCTCGCTCACGCA
GCACTCGTGGCAGTCCCTGAAGGACCGCTACCTCAAGCACCTGCGGGGCCAGGAGCATAA
GTACCTGTGGGGACGCGCCGGTGGAGCCCTCCTCCAGAAGCTCAAGCGGAAGGCGGA
GGAGGACCCGGAGCCCGGATAGCGGGGAACACAGAATAAGAGAAGCTCCAGATTTGCC
TGAAGAAGAGTATGTGAAGGAAGAAATCCAGGAGATGAAGAAGCAGTCAAAAAGATGCT
TGTGGAAGCCACCCGGGAGTTTGGAGAGTTTGGTGGATGAGAGCCCTCCTGATTTTGA
AATACATATAACTATGTGTGATGATGATCCACCCACACCTGAGGAAGACTCAGAAACACA
GCCTGATGAGGAGGAAGAAGAAGAAGAAAAAGTTTCTCAACCAGAGGTGGGAGCTGC
CATTAAAGATCATTGCGCAGTAAATGGAGAAGTTTAACTTGGATCTATCAACAGTTACACA
GGCCTTCTAAAAAATAGTGGTGGAGCTGGAGGCTACTTCCGCCTTCTTAGCGTCTGGTCA
GAGAGCTGATGGATATCCATTTGGTCCCGACAAGATGACATAGATTTGCAAAAAGATGA
TGAGGATACCAGAGAGGCATTGGTCAAAAAATTTGGTGCCTCAGAATGTAGCTCGGAGGAT
TGAATTTGAAAAGAAATAATTGGCAAGATAATGAGAAAAGAAAAAGTCATGGTAGGTGA
GGTGGTTAAAAAAATTTGACCAATGAACCTTGGAGAGTTCTTGCATTGGAAGTGGCAC
TTATTTTCTGACCATCGCTGCTGTTGCTCTGTGAGTCTAGATTTTGTAGCCAAGCAGA
GTTGTAGAGGGGGATAAAAAAGAAAAGAAATTTGGATGTATTTACAGCTGTCTTGAACAAG
TATCAATGTGTTTATGAAAGGAAGATCTAAATCAGACAGGAGTTGGTCTACATAGTAGTA
ATCCATTGTTGGAATGGAACCTTGCTATAGTAGTGACAAAGTAAAGGAAATTTAGGAG
GCATAGGCCATTTAGGCAGCATAAGTAATCTCCTGTCTTTGGCAGAAGCTCCTTTAGA
TTGGGATAGATTCAAAATAAAGAATCTAGAAATAGGAGAAGATTTAATTATGAGGCCTTG
AACACGGATTATCCCAAACCTTGTCATTTCCCCAGTGAGCTCTGATTTCTAGACTGC
TTTGAAAATGCTGTATTCATTTTGTAACTTAGTATTTGGGTACCTGCTCTTTGGCTGT
TCTTTTTTTGGAGCCCTTTTCAGTCAAGTCTGCCGGATGTCTTTCTTTACCTACCCCTCA
GTTTTCTTAAAACGCGCACACAACTCTAGAGAGTGTTAAGAATAATGTTACTTGGTTAA
TGTGTTATTTATGAGTATTGTTTGTGCTAAGCATTGTGTTAGATTTAAAAAATAGTGG
ATTGACTCCACTTTGTTGTGTTGTTTTCATTGTTGAAAATAAANNNACTTTGTATTNGA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_018975 unedited  
 GGTCAACATTTTGTATACGACTCACTATAGGCGGCNCGCAATTCGCACGAGGGTTGAGC  
 TCTGTGTGCCAGGCGCTCGCGAGGGGTAGCTCTTCTAGTAGTGTCTGGCGTCAGACATG  
 GCGGAGGCGATGGATTTGGGCAAAGACCCCAACGGGCCACCCATTCTCGACTCTGTTCT  
 GTGAGGACGACGGCAGCTCCATGTCTTCTACGTGCGGCCAGCCCGGCCAAGCGTCGG  
 CTGTGGACGCTCATCTGCACGGCGGCGCACCCTGTGCCGAGTGCAGGAGCCCGGGGCC  
 GTGCTGTGGCCAGCCCGGGGAGGCGCTGGCCGAGGCCTCGGGTGATTTTCATCTCCACG  
 CAGTACATCCTGGACTGGTGGAGCGCAACGAGAGGCTGGAGCTGGAGGCCTATCGGCTG  
 GGCCCGCCTCGGCGGGACACCGCTCGGAAGCAAAGCCCGGGGCCCTGGCCGAGGGC  
 GCCGCGGAGCCGAGCCGACGCGCACGCCGGCGGATCGCCTTACGGATGCGGACGAC  
 GTAGCCATCCTTACGTGAAGGAAAATGCCCGCTCGCCAGCTCCGTACCGGTAAC  
 GCCTTGTGAAAGCGATGGAGAAGAGCTCGCTCACGCAGCACTCGTGGCAGTCCCTGAAG  
 GACCGCTACCTCAAGCACCTGCGNGCCAGGAGCATAAGTACCTGCTGGGGACGCGCCG  
 GTGAGCCCTCTCCAGAAGCTCAAGCGNAAGCGGAGGAGACCCNAGGCCCGGAT  
 AGCGCGGAACCACAGCATAAGAGAACTTCAGATTTGCCTGAAGAACAGTTGTGAAGGAA  
 GAATCCAGCAGAATGAAGAAGCACTCCAAAAGATGCTTGTGAAAGCAACCGGCGATTGT  
 AGGAGGTGTTGTCGGATGA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_018975 unedited  
 CGCAATCTACAGTCGAGTCTTT  
 TTTTCAAATACAAAGTTATTTTTATTTTACCATTGAAAACACCCACCAAGGGGGAGT  
 CAACCCACTAATTTTTAAATCTAACACAAGGCTTAGCCCAAACAATACTCAATAAATAA  
 CATTTTACCCAAGCACCTTTTTTTTTACCCTTTTTAAAGTGGGGGGCGGTTTTAAGGA  
 AAAGTGGGGGTAGGAAAAAAAAAATCCGGCAAACCTGACTGAAAAGGGCCCCAAAAA  
 AAAACCACCCAAAAACCAGGGCCCCAAATACTAACTCAGAAAAAGGAATACAGCTTTTT  
 AAAAGCACCTTAAAAATCAAACCTATTGGGGAAATGACAAGGGTTGGGGGATAATCCG  
 GGTCCAAGGCCTAAAAATAAAATCTTTTCTATTTTAAATTTCTTTATTGGGAACCTATC  
 CCAATCTAGGGACTTTTCGGCCAAAGGACAGGAAATTACTTAGCCTGCCTGAACGGCGCT  
 ATGCTCTCTAAATTCCTTCCCTTTGACCTACATATAAAGGGGCCCTCCACAGGGATC  
 AACAGCCAAAACCCCAATTTCTTTTTTTATCCCTTAACATCCGGTGGCCCAAAATT  
 CCGCCTTCAAACACACCCCGGGGAAAAAAGCGCATTCCACGCAACCTTTCCACCTTT  
 GGCCCAATTTTTTCCCCCCCACCAACCCACTTTTCTCCCAACCTTGGAACACTTTT  
 CCAACACCCCTCGGCCCTCTCACCAATTTTACACCCCTTTGCTCACATAATTTTCG  
 CAACCCCTTTCCGACAAGGTATTCCCCCTTTACAAATT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_018975

**Insert Size:**

2130 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_018975.2</a></u> , <u><a href="#">NP_061848.2</a></u>
<b>RefSeq Size:</b>	2146 bp
<b>RefSeq ORF:</b>	1200 bp
<b>Locus ID:</b>	54386
<b>UniProt ID:</b>	<u><a href="#">Q9NYB0</a></u>
<b>Cytogenetics:</b>	16q23.1
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	The gene encodes a protein that is part of a complex involved in telomere length regulation. Pseudogenes are present on chromosomes 5 and 22. [provided by RefSeq, Apr 2010] Transcript Variant: This variant (1) encodes the supported protein.