

Product datasheet for **SC114384**

RAP80 (UIMC1) (NM_016290) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAP80 (UIMC1) (NM_016290) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAP80
Synonyms:	RAP80; X2HRIP110
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114384 sequence for NM_016290 edited (data generated by NextGen Sequencing)

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ATGCCACGGAGAAAGAAAAAGTTAAAGAAGTCTCCGAATCTCGGAACCTGGAGAAGAAG
GATGTGGAAACTACCAGTTCTGTGAGTGTGAAGAGGAAGCGTAGACTTGAGGATGCATTC
ATTGTGATATCCGATAGTGTGAGAGGAACCAAAAGGAGGAAAAATGGGTTGCAGAAAACG
AAGACAAAACAGTCGAATAGAGCAAAGTGTGGCCAAAAGAAAAATTGCACAGATGACA
GAAGAAGAACAGTGGCTCTGGCTCTCAAATGAGTGAGCAGGAAGCTAGGGAGGTGAAC
AGCCAGGAGGAGGAAGAAGAGGAGCTCTTGAGGAAAGCCATTGCTGAAAGCCTGAATAGT
TGCCGGCCTTCTGATGCTTCCGCTACCAGATCTCGACCTCTGGCCACTGGACCGTCTTCC
CAGTCCCATCAAGAGAAAACCACAGACTCTGGGCTCACTGAAGGCATATGGCAGCTGGTA
CCTCCATCACTGTTTAAAGGCTCACATATCAGTCAGGGAACGAGGCTGAGGAAAGAGAG
GAGCCTTGGACCACACTGAAAAACTGAAGAGGAGCCGGTCTCTGGCAGCTCAGGAAGC
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TCTGCTTTCTCAAAGCTGTCCAGGGTAGCGGGACACATCTAGGCACTGTCTACCTACC
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TCTGTCTCCAGCTTGC AAAGGCTGACCAAGGAGATGGACCTGAAGGGAGTGGAAGAGCA
TGTTCAACTGTGGAGGGGAAAGTGGCAGCAGAGGCTGAAGAACCCAAAGGAAAAAGGCCAC
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ATCAAGTCTTCAGAAACAGGAGCCTTCAGGGTGCCTTCCACAGGGATGGAAGAGGCGAGC
TGCAGCAGAGAGATGCAGAGTCTTTTACACGTCGTGACTTAAATGAATCTCCCGTCAAG
TCTTTTGTTCATTTTCCAGAAAGCCAGATTGCTTAGTGGACTTTAAAAAGCAAGTTACT
GTCCAGCCAGGTAGTCGGACACGGACCAAAAGCTGGCAGAGGAAGAAGGAGAAAAATTCTGA

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Clone variation with respect to NM_016290.4
 228 c=>t;1344 c=>a

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016290 unedited ATTTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCAACGTGTGGCGG CTCGCGACCCCGGCANACCCGGAGAAGTCTACAGAGCGGCTGCGCCAGCGAGTGAGTA CCCGCGCCTGCGCACAGCTCCGCCACCCCTCCCTGCCTCCTTTTCTCCTCAGCGGGT CCGCGGCCCGCTACTCTCCGGGAGGGCGCTTCCCGACGCCAAGACAAAAGGATGCCACG GAGAAAAGAAAAAGTTAAAGAAGTCTCCGAATCTCGGAACCTGGAGAAGAAGGATGTGGA AACTACCAGTTCTGTGAGTGAAGAGGAAGCGTAGACTTGAGGATGCATTTCATTGTGAT ATCCGATAGTGATGGAGAGGAACCAAAGGAGGAAAATGGGTTGCAGAAAACGAAGACAAA ACAGTCAATAGAGCAAAGTGTTTGGCCAAAAGAAAAATTGCACAGATGACAGAAGAAGA ACAGTTTGTCTGGCTCTCAAAATGAGTGAGCAGGAAGCTAGGGAGGTGAACAGCCAGGA GGAGGAAGAAGAGGAGCTCTTGAGGAAAGCCATTGCTGAAAGCCTGAATAGTTGCCGGCC TTCTGATGCTTCCGCTACCAGATCTCGACCTCTGGCCACTGGACCGTCTCCAGTCCCA TCAAGAGAAAACACAGACTCTGGGCTCACTGAAGGCATATGGCAGCTGGTACCTNCATC ACTGTTTAAAGGCTCACATATCAGTCAGGAAACGAGGCTGAGGAAAGAGAGGGAGCCTT GGGACCACACTGNANANAAGTGAAGAGGAGCCGGTCTCTGGCAGCTCAGGAAGCTGGGACC CAGTCAGCCAGCCAGTGTGAGAATGGTGACGNTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016290 unedited CCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGTACAAACATAAATATA TTTAAATTTTTAACTGTAAGTAAATCAAACAACTGTATAAAACAGAATACACAGTT GTCTGCATAGATCATAAAAAACATAAAAAACCAGAATGCTGGGTAGGTGCTGGTGGTGA AACTGCAGGGCTAAAACCTGCTCAACAATGAACTAGGGACCACTATGGCTTAATGAACAT GGCCACCCCTCTACTAATGGTTTTGTCAACTTTTGGACCCTAGAAATTCAGAATTTTC TCTTTCTCCTCTGCCAGCTTTGGTCCGTGTCGACTACCTGGCTGGACAGTAACTTGCT TTTTAAAGTCCACTAAGCAATCTGTGGCTTCTGAAATGGAAAACAAAAGACTTGACGGGAG ATTCATTTAAGTCACGACGTGTGAAAGAACTCTGCATCTCTCTGCTGCAGCCTGCCTCTT CCATCCCTGGTGAAGGCACCCCTGAAGGCTCCTGTTTCTGAAGACTTGATGTCTGCATCTG AAGTCTTGTGCTCAGACTGTTCCAAGAACTAAGGAGTCGGCCTTCACTGTGGCCTTTTT CCTTTGGGTTCTCAGCCTCTGCTGCCACTTCCCCTCCACAGTTGAACATGCTCTTCCAC TCCCTTCAGGTCATCTCCTTGGTCAGCCTTTGCAAGCTTGAGACAAGAGTNCACATGAC ACTGATACTCTAATGGGACCAGGATTACANAGGGTACTACTTATTCTTGTAAAGCC TAAAGAGTCTGGCAGCTGTCCACTGTACTCTTGGTCTGGCTTTTTTGTCTCCAGTCATA CTTGATCTCCTCATAGACCTTGAGACTGGATGCGTTAATCTTGTGGGAAGCATGGACAA ACGGCAGAACCTGTCTGTGAAAGGAAAACACTACTTCAATTTCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_016290
Insert Size:	4460 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:	<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_016290.3 , NP_057374.3
RefSeq Size:	2656 bp
RefSeq ORF:	2160 bp
Locus ID:	51720
UniProt ID:	Q96RL1
Cytogenetics:	5q35.2
Domains:	UIM
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a nuclear protein that interacts with Brca1 (breast cancer 1) in a complex to recognize and repair DNA lesions. This protein binds ubiquitinated lysine 63 of histone H2A and H2AX. This protein may also function as a repressor of transcription. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>