

Product datasheet for **RC202823**

RAP80 (UIMC1) (NM_016290) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAP80 (UIMC1) (NM_016290) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RAP80
Synonyms:	RAP80; X2HRIP110
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC202823 representing NM_016290
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCACGGAGAAAGAAAAAGTTAAAGAAGTCTCCGAATCTCGAACCTGGAGAAGAAGGATGTGGAAA
 CTACCAGTTCTGTCAAGTGTGAAGAGGAAGCGTAGACTTGAGGATGCATTATTGTGATATCCGATAGTGA
 TGGAGAGGAACCAAGGAGGAAAAATGGGTTGCAGAAAACGAAGACAAAACAGTCGAATAGAGCAAAGTGT
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 CCATTCTGCCCTGATGGAGTAGACCCTAACCAAGTATACCAAGGTCATTCTCTGCCAGTTGGAGGTTTATC
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 GAAGATATGGGAGATGAAGACAAAGAGGAGAGGAGGAGTCTAGGCATCTGACTGGCACTCAAAAACCA
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 AGTGTGTCTGCTTTGACCAGTAAGAGAAGCTTAGTCCTTATGCCAGAGAGTTCTGCAGAAGAAATCACTG
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 AGATATCTTGGATGGAGTCAGAATAATAATGGCAGATAAGGAGGTTGGTAACAAGGAAGATGCTGAGAAG
 GAAGTAGCTATTTCTACCTTCTCATCCAGTAACCAGGTATCCTGCCCGCTATGTGACCAATGCTTTCCAC
 CCACAAAGATTGAACGACATGCCATGACTGCAATGGTCTGATGGAGGAAGATACAGTATTGACTCGGAG
 AAAAAAGAGGCCAAGACCAAGAGTGACAGTGGGACAGCTGCCAGACTTCTCTAGACATTGACAAGAAT
 GAGAAGTGTACCTCTGTAATCCCTGGTCCCATTAGAGAGTATCAGTGTGATGTGGACTCCTGTCTCC
 AGCTTGCAAAGGCTGACCAAGGAGATGGACCTGAAGGGAGTGGAAGAGCATGTTCAACTGTGGAGGGGAA
 GTGGCAGCAGAGGCTGAAGAACC AAAAGGAAAAAGGCCACAGTGAAGGCCGACTCCTTAGTTTCTTGAA
 CAGTCTGAGCACAAAGACTTCAGATGCAGACATCAAGTCTTCAGAAACAGGAGCCTTCAGGGTGCCTTAC
 CAGGGATGGAAGAGGCAGGCTGCAGCAGAGAGATGCAGAGTCTTTTACACCGTCGTGACTTAAATGAATC
 TCCCGTCAAGTCTTTTGTTCATTTTCCAGAAAGCCACAGATTGCTTAGTGGACTTTAAAAAGCAAGTTACT
 GTCCAGCCAGGTAGTCGGACACGGACCAAAGCTGGCAGAGGAAGAAGGAGAAAAATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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_016290.3](#), [NP_057374.3](#)

RefSeq Size: 2656 bp

RefSeq ORF: 2160 bp

Locus ID: 51720

UniProt ID: [Q96RL1](#)

Cytogenetics: 5q35.2

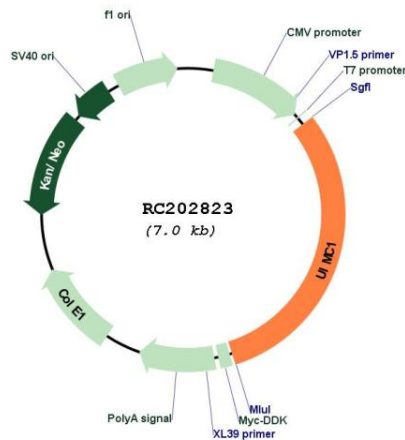
Domains: UIM

Protein Families: Druggable Genome, Transcription Factors

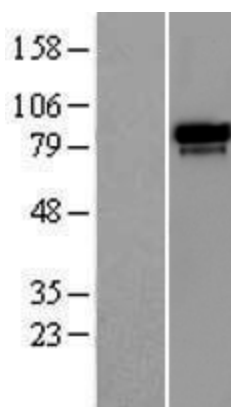
MW: 79.5 kDa

Gene Summary: 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]

Product images:



Circular map for RC202823



Western blot validation of overexpression lysate (Cat# [LY414063]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202823 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).