

Product datasheet for **SC108436**

RNF2 (NM_007212) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF2 (NM_007212) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF2
Synonyms:	BAP-1; BAP1; DING; HIPI3; RING1B; RING2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_007212 edited
GAATTCGGCACGAGGAGCGGCCCTGTTGTATTTCCCGAGCTCCATTGCGGAAGCTGAGG
CTCGCCATATTGTGCGGCGGCGCCGGCGTCCGCGGCGGCTGATACCAGAGTCTTGCTCCG
GCCGCGCCAGCGGAGCCCTGGGCTGGGCGAGGAGCCGAATGTCTCAGGCTGTGCAGAC
AAACGGAACCAACCATTAAGCAAAACATGGGAACCTCAGTTTATATGAGTTACAACGAAC
ACCTCAGGAGGCAATAACAGATGGCTTAGAAATTGTGGTTTACCTCGAAGTCTACACAG
TGAATTAATGTGCCAATTTGTTTGGATATGTTGAAGAACCACCTGACTACAAAGGAGTG
TTTACATCGTTTTTGTGCAGACTGCATCATCACAGCCCTTAGAAGTGGCAACAAAGAATG
TCCTACCTGTGCGAAAAAAGTAGTTTCCAAAAGATCACTAAGGCCAGACCCAAACTTTGA
TGCACTCATCAGCAAAATTTATCCAAGTCGTGATGAGTATGAAGCTCATCAAGAGAGAGT
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ATTAGTATTCAGGCCTCATCCCACACTTATGAAAAAGATGACAGTGCACAGACGAGATA
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CAAGTATACGTTTGAGAGTGCTTTTTTTGTATTAGTTCTGCTGTCACTTCATTTCTGT
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ACAGTATTTAAAAAGACATGTTTGCATTGAGAAATTAACCCTAAAGGTTTTCAATAGGG
TGTAGACCTCCAGTACCTTTGTAACAAAGTCTGTCTAGTCAATTGTAATATTTATCTGT
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ATCAAGGGAACCTTTATATATTCATTCCTTTTCTGGTGAATGTTAAAGTTGTATAGAT
TATTAATGCATGCCCACTGAATATAACCCTGGTTTTGTGATAAACTGCTTAGATTTTGT
TGATGACATTAGATTAGTAGTTGCATTAATAACTAAATTTCCAAAAAAGAAAAA
ACTCGAC
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_007212 unedited CCCAATCCCCCCCCGATGCCGCTTTGGGCGGTAGTCGTGTACGGTGGGAGGTCTATATA AGCAGATTTTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC GCGAATTCCGGCAGGAGGAGCGGCCCTGTTGTATTTCCCGAGCTCCATTGCGGAAGCTGA GGCTCGCCATATTGTGCGGCGGCCCGCGTCCGCGGCGGCTGATACCAGAGTCTTGCTC CGGCCCGGCCAGCGGAGCCCTGGGCTGGGGCAGGAGCCGCAATGTCTCAGGCTGTGCAG ACAACCGGAACTCAACCATTAAGCAAAACATGGGAACTCAGTTTATATGAGTTACAACGA ACACCTCAGGAGCAATAACAGATGGCTTAGAAAATTGTGGTTTCACCTCGAAGTCTACAC AGTGAATTAATGTGCCAATTTGTTGGATATGTTGAAGAACCACCATGACTACAAAGGAG TGTTTACATCGTTTTTGTGCAGACTGCATCATCACAGCCCTTAGAAGTGGCAACAAAGAA TGTCTACCTGTGCGAAAAAACTAGTTTCCAAAAGATCACTAAGGCCAGACCCAACTTT GATGCACTCATCAGAAAATTTTCCAAGTCGTGATGAGTATGAAGCTCATCAAGAGAGA GTATTAGCCAGGATCAACAAGCACAATAATCAGCAAGCACTCAGTCACAGCATTGAGGCA GGACTGAAGATACAGGCCATGAACAGACTGCAGCGAGGCAAGACACAACAGATTGAACAT GCTAGTGGAGCAGAAGAAATGGTGACAGTTCCTGTCAGTATGCATCCCACATAGCATCA GGAAGCAGTCCCTAGTACTAACGGACCANACATCTGATGAGTCTGGGCTAGAGCTTGATC ATACCATGCAGCATGCCCATG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_007212 unedited GGGGGAATACTATGTACGCGGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTGG GAATTTAGTTATTTAATGCAACTACTAATCTAATGTCATCAACAAAATCTAAGCAGTTTT ATCACAAAACCAGGTTATATTCAGTGGGCATGCATTAATAATCTATACAACTTTAACAT TACACCAGAAAAGGAATTGAATATATAAAAAGTCCCTTGATTTTTGGTGGTTTTCAAATT TCATGGCACAGATTACCAAAAAAAAAAAAAAAAAAAAAACCCTGTAAAAACAGATTTTAA ATATTTTCCATAAAAATGGTAAAAAATGAATATATACCTTTAAGTTTTATACCGGGCTG AAAATTTAAAACATCAAGCTGGCCCAATCTGTCAAACTGACAGATAAATTTACAAT GACTAGACAGACTTTAGTTACAAAGGACTGGAGGTCTACACCCTATTGAAAACCCTTTA AGGTTAATTTCTCAATGCAAACCTGTCTTTTTAAACTGGGATATATAAAGTTGGAAAT ATACCTAGAGTCTGGAGAGAGATGAAATATTACACCAAGTCAATCTTATTTCTGATCTG TCAACAAAGCTTTTTGGGTCCCAAAACCAATATTGTTCTCAATATAAAAATTAAGAAC AGGGGAATGACTTTTCCCTACTGGGTGACGGTTTTCTACAAAATATTTTTTACTCATATT AAAGCAGGCTCTAACTCTATTACTTTCTCAGAGGGAATTTAAAAAACCGCCATTTTTA AACTGTTGGGGAAACCAAAAAGAGATAATTTTTCAAGGAACAAAATTTTTCCCTGGTTT GGGGGCCCTGTTATTTTTGAAACTTTTTGGGTACAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_007212
Insert Size:	3200 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_007212.3](#), [NP_009143.1](#)

RefSeq Size: 3551 bp

RefSeq ORF: 1011 bp

Locus ID: 6045

UniProt ID: [Q99496](#)

Cytogenetics: 1q25.3

Domains: RING

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Polycomb group (PcG) of proteins form the multiprotein complexes that are important for the transcription repression of various genes involved in development and cell proliferation. The protein encoded by this gene is one of the PcG proteins. It has been shown to interact with, and suppress the activity of, transcription factor CP2 (TFCP2/CP2). Studies of the mouse counterpart suggested the involvement of this gene in the specification of anterior-posterior axis, as well as in cell proliferation in early development. This protein was also found to interact with huntingtin interacting protein 2 (HIP2), an ubiquitin-conjugating enzyme, and possess ubiquitin ligase activity. [provided by RefSeq, Jul 2008]