

Product datasheet for **MC221087**

Uimc1 (NM_011307) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uimc1 (NM_011307) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Uimc1
Synonyms:	9430016E08Rik; D330018D10Rik; D630032M02Rik; RIP110; Rxrip110
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221087 representing NM_011307
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACGAAGGAAGAAAAAATTAAGAGGCCTCTGAAAGCCAGAAGCTGGAGAAGAAGGATCTGGAAA
 CAAGCAGTTGTGTCAGTATAAAGAAGAAGCGTAGACTTGAGGACTTACTCATAGTGATATCCGATAGCGA
 TGGAGAGGAAACAAAAGAGGAGAATGGATTGCAGAAAACGAAGACAAAACAGTCGAACAGATCAAAGTGT
 TTGGCTAAAAGAAAAGTTGCACACATGTCAGAAGAAGAACAATTTGCTTTGGCTCTCAAGATGAGTGAGC
 AGGAAGCTAGGGAGGTGAATAACAGGAGGAGAAAAGAAGAGGAGCTTTGCGGAAAGCCATTGCTGAAAAG
 CCTGAATAGTTGCTGGTCTTCTGCTGCTTCTGCTACCAGATCTCGACCTCTGGCTGCTGAACTATCTTCA
 CATTCCCATCAAGAGAACACCAAAGACTCTGGGACCCTGAAGGCGTATGGCAGCTGGTACCTCCATCAC
 TGTGTAAGGCTCACATGTCAGTCAGGAAACGAGGCTGAGCAAAGAAAGGAGCCCTGGGACCACAATGA
 AAACACTGAAGAGGAGCCGGTCTCTGGCAGCTCAGGAAGCTGGGACCAGTCAAGCCAGCCAGTGTGTTGAG
 AATGAGAACGTTAAATGTTTTGACAGATGACTGGCCACTTGGCTGAGCACACACAGTGTGGGAAGCCAC
 AGGAAAGTACTGGGAGTGTTATGCTTTTTCCAAAGCTGTCCAGGGTAGGGGGACACGTCTAGGCAATG
 CCTTCCTATCCCAGCAGACAAAAAGGTCTCCAGGACACTGGGGGCACTGTGCACTACTACTGGGTATT
 CCATTCTGCCCTGCTGGAGTAGATCCCAATCAATACACCAATGTCATTCTCTGCCAGTTAGAGGTTTATC
 AGAAGAGCCTGAAAATGGCTCAGAGACAGCTTGTTAAAAAAGAGGGTTTGGGGAACCAAGTGTACCTAG
 ACCTCCTTTCTGATCCAGAATGAATGTGGCCAAGAAGATCAGACTAGTGACAAAAATGAAGGCATCTCA
 GAAGATATGGGAGATGAAGCCAAAGAGGAAAGGCAGGAATCTAGGCATCTGCTGGCACTCAGAAAACCA
 AGGATTTTCAAAAAGTCCAATTAAGACTTGAACAGAAAATTTGTTGGAGGAAGCAACAACCCAG
 TCGTGGTCAGTCTTCCCAAGTCTGTTTGTGAAGAAACCTCTGAAGAAGGTCTGAAGATTCTGAAGGA
 GACAACCTGTGCCACCACGCAAGCATTGCAGCTTTGACCAGTAAGAGAAGTTTAGTTCTTATGCCGG
 AAAGTTCTGCAGAAGAAACCACTGTTTGCCTGAGACACAGTTAAGTTTCCCTGAACCCCTTGACCTCAA
 TAGAGAAGACTCTCCAGATAGCAGAGAGCTCCCCATTGAAGTAAGGATGGCAGTGGGCGATAAGCAGGTT
 GCTAATAGGGAAGATTGTATGAAGGAAAACCTCCTCCTGCAGTCTCATCTAGTACCCGGGTATCCTGCC
 CACTGTGTAACCAAGACTTTCTCCACAAGATTGAACAGCATGCCATGTACTGCAATGGTCTGATGGA
 GCAGGAAACAGTGTGACTCGGAGACGAAGAGAGGCCAAGAACAAGAGTGACGGTCGGACAGCTGCACAG
 CCGGCTCTGGATGCCAACAGGAAGGAGAAGTGTATCTATGTAAGTCCCTGGTTCCTTGGGAGTATC
 AGTGCCATGTGGAGGCCCTGTCTCCAGCTTGCAAAGGTTGACAGAGAAGATGGGATTGAAGGGACAAGGAG
 ACCAAGGGTGTGTGCACCTGTGGAGGGGAAACAACAGCAGCGGCTGAAGAAGTCAAAGGACAAGGCCAT
 AGTCAAGGCCGACTCCTCAGTCTCTTGGAGCAGTCTGAGCATAGGACCACAGGTGTAGAGAAAAACCCA
 AGTATTCGGAAGTAAGAACCCTCAGGATGCCCTCACCAGAGGTGGAAGAGGCTAGCTGCAGCAGAGAGAT
 GCAGAGTACCCTCTCACAGCTCAACTTAAATGAGTCTCCCATCAAGTCTTTTGTCTGTTTCAGAAAGCT
 ACAAATGCTTAGTGGACTTTAAGAACAGTGTGCTTTCCGGTACCGAACTAAATCAGGCAGAGGAAGGA
 GGAGAAAATCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011307

Insert Size: 2184 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:	<u>NM_011307.2</u> , <u>NP_035437.1</u>
RefSeq Size:	2931 bp
RefSeq ORF:	2184 bp
Locus ID:	20184
UniProt ID:	<u>Q5U5Q9</u>
Cytogenetics:	13 B1
Gene Summary:	<p>Ubiquitin-binding protein. Specifically recognizes and binds 'Lys-63'-linked ubiquitin (PubMed:19536136). Plays a central role in the BRCA1-A complex by specifically binding 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. Also weakly binds monoubiquitin but with much less affinity than 'Lys-63'-linked ubiquitin. May interact with monoubiquitinated histones H2A and H2B; the relevance of such results is however unclear in vivo. Does not bind Lys-48'-linked ubiquitin. May indirectly act as a transcriptional repressor by inhibiting the interaction of NR6A1 with the corepressor NCOR1 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>