

## Product datasheet for **MC202559**

### **Bap1 (NM\_027088) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bap1 (NM_027088) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bap1
Synonyms:	2300006C11Rik; AA989761; AW553466; mKIAA0272; uch-x4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC050901 sequence for NM\_027088  
 AGAAGCCCTAAGGGCGGTGGGCGCTCCCGGTTGGGGGCGGCGCGGGTTTAGCAGGGCCTGGACATGGCGC  
 TGAGAGGCCGCTCCGCGGAAGATGAATAAGGGCTGGCTGGAGCTGGAGAGTGACCCAGGCCTCTCACC  
 CTCCTGGTGAAGATTTTCGGTGTCAAAGGGTGAAGTGGAGGAGATCTATGACCTTCAGAGTAAATGCC  
 AGGGCCCTGTGTATGGATTTATCTTCTGTTCAAATGGATCGAAGAGCGCAGGTCGCCGCAAGGTTTC  
 TACGTTGGTGGATGACACGTCTGTGATTGATGATATTGTGAATAACATGTTCTTTGCTCACCAGCTG  
 ATTCCTCACTCTGTGCCACTCAGCCTTGCTAAGCGTGTCTGAACTGCAGCAATGTGGATCTGGGGC  
 CCACGCTGAGCCGAATGAAGGATTTACCAAAGGCTTCAGTCCTGAGAGCAAAGGATATGCAATTGGCAA  
 TGCCCCGAACTGGCCAAGGCACATAATAGCCATGCCAGGCCAGAACACGTACCTTCTGAGAAACAG  
 AATGGCCTCAGTGCAGTGCAGCCATGGAGGCGTTTCATTTTGTGAGCTATGTGCCTATCACAGGGAGGC  
 TCTTTGAATTGGATGGATTGAAAGTCTACCAATTGATCATGGGCCCTGGGGAGAGGACGAGGAGTGGAC  
 AGATAAAGCTCGAAGGGTCAATGAGGCGAATCGGTCTTGCTACTGCAGGGGAGCCCTATCATGACATT  
 CGTTTCAACCTGATGGCAGTGGTGCCTGACCGCAGGATTAAGTATGAGACCAGGCTACATGACTGAAGG  
 TGAACCGACAAACAGTCTGGAGGCCCTGCAGCAGCTGATTAGAGTAACCCAGCCGGAGCTGATTGAGC  
 CCACAAATCTCAAGAGTACAGTGCCTGAGGAGAGCAAGCCAGCCAGCAGCAAGTCCCCCTTGGACTG  
 GAGGCAGGCAGAACCCAGTGGCCTCTGAGTGCCTCAGACAGATGGTGCAGAGGAGGTGGCTGGTTCGT  
 GCCCACAACCTACAACCCATAGTCTCCAGCAATGTAAAGCTGGTGGTGAAGCCTCCAGGGAGCAGCCT  
 CAATGGGGTTCGCCAAACCCCTGCCCTATTGTCCAGCGGCTGCCAGCCTTCTAGACAATCACAATTAT  
 GCCAAATCCCCTATGCAGGAGGAGGAAGACCTGGCGGCAGGAGTGGGTCGCAGCCGCGTTCCCGTCCGAG  
 CGCCCCAGCAGTACTCTGAAGACGAGGATGACTACGAGGATGAGGACGAGGACGTGCAGAACACCAACCC  
 TGCCATCAGATAACAAGCGAAGGGGACAGGGAAGCCAGGATCGTTGAGCAATTCTCAGATGGGCAGCTG  
 TCAGTGTGCAGCCCAACACCATCAATGTCTTAACTGAGAAGCTCAAGAGTCTCAGAAAAGACCTTTCAG  
 TTCTCTGTCCATCAAGACTAGCAGTGGGGCTGGGAGTCCAGCTGTGGCTGTGCCACACTCGCAACC  
 TTCACCCACCCCTAGCAATGAGAGCACGGACACAGCCTCTGAGATTGGCAGTGTCTTCAACTCACCCCTG  
 CGCTCGCCCATCCGCTCGGCCAACCAACAGCCCTCTAGCCCTGTACCTCTCACATCTCCAAGTGC  
 TTTTTGGAGAAGATGACAGCCTACTTCGTGTTGACTGCATACGCTACAACCGTGTGTCCGTGACCTGGG  
 TCCTGTCAATGACAGGGCCTGTGCACCTTGTGAAGATGGTGTACTGAGTCCCCTGGCACTCACAGAG  
 GGTGGGAAGGTTCTCACCTTCTACCAGATCAAGCCAAGGCAGCCAGGGTCCAGTGGCCTAGAGGAGA  
 AGGAGGTGGTGAAGTCAAGAGAGCAGAGACAAGCCTGGGCTGAACAGGTCCAGTGAAGCCTTGTAGTGG  
 AGAGAAGTACTACCCAAGGAGTGTAGCACTGCTAAAGTGTGTAGAAGCCGAGATTGCAAACTATGAG  
 GCCTGTCTCAAGGAGGAGTGGAGAAAAGGAAGTTCAGATTGATGACCAGCGAAGGACCCACAACCT  
 ATGACGAGTTTATCTGTACCTTCAATCCATGCTGGCTCAGGAAGGAATGCTGGCCAACCTAGTGAACA  
 GAACATCTCAGTGCGCCGCGCCAAAGGGTTCAGCATTGGGCGGCTTACAAGCAGCGGAAGCCTGACCCG  
 CGGAAACGCTCTCGCCCCACAAGGCCAAACGCCAGTGAAGCCTTGGCCCTGACTCTGCAGCCTCTCT  
 TGCCGCAAGGCCCTCATCAGGGCCCTTCACTGTCCCTCTTTTCCAAGTATTACTGAGTAGTTCAACGAGA  
 GCCCAGTCTGGGAGTGGGAGTGCATGTATTCTGCACTGTGCTCTGGGGTCTGGCAGGGACAAGGCAG  
 CTCCTCAATGCTCAGGAAGCAGCAGTGGAACTGGAGGGCATCCACCATGGCCTCCACAGCCATCTGAGG  
 AGCAGCAGGACCTGGCCTTCTGCCTGGCAGCAGGATGTACATTCTACCTATTGGAGATGTTTAGGTTT  
 TGGGCTTTTGTCCATCTTGCCTGTATTAACATGGCAGCTTCTGACTCTGCTGTCTCTCCAGCAGCT  
 GTCATTCTGCTGGGCCAGTCTCTTAGAATACATCACAGTCCCAGCTGAGAAACACACCACCACTAGCCT  
 GTCCTCGTTGGGAAGAAGCTTGGCCTACACTTCAATCCTCTGGGAGAGCACCAAACCTCAGGGACCTGGCT  
 GCTGAGCTGGAATGGGCATGGGGTATCCTAATAGGATGTACAGCCTATCAGGGTCCCACGGCTATAGTGG  
 AGACAAGTGTGAACTGTCCCAGTGGCATGCAGACTGTCTGTTAGTGAGTCAAGGCAAGGCTCTGGGG  
 CTCTTTGCCTTCAAGTGTGGCCCTGGCCATGGGTCTGCCTTAGGCTCCTAATCTGTCTCTGGGGCC  
 CAGGGGAGCCTCGACCTAGCCCCCAGTATTACCATGTCTTCTTAGGAATATCAGAGGCAAGGCTGTCT  
 TGAATGGAGCTGGTACTATTCAATCTCCGACTGTGCCAGCTTCTTGTCTCTTGAAGTACTCAGG  
 GTAGGGACAGGGTTGAGAGGAGTTAGAACTTCTGTATCCCATAGGGCTTGGTAGTAAGTACAGCACTGC  
 TTCAAATCCAGCCCCAAAAGCCCTGTACCCTCTGCTAGATACAGGCGATCCAAGCAGGCCCTTATCT  
 GTACATAGTACTGTAGGGGACCCCTAGTTTCTGTAATATTGAATCAGTGAATAAAAATGTGC  
 TAATAAATGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI

<b>ACCN:</b>	NM_027088
<b>Insert Size:</b>	2187 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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>	<a href="#">BC050901</a> , <a href="#">AAH50901</a>
<b>RefSeq Size:</b>	3390 bp
<b>RefSeq ORF:</b>	2187 bp
<b>Locus ID:</b>	104416
<b>UniProt ID:</b>	<a href="#">Q99PU7</a>
<b>Cytogenetics:</b>	14 B
<b>Gene Summary:</b>	<p>Deubiquitinating enzyme that plays a key role in chromatin by mediating deubiquitination of histone H2A and HCFC1. Catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1). Does not deubiquitinate monoubiquitinated histone H2B. Acts as a regulator of cell growth by mediating deubiquitination of HCFC1 N-terminal and C-terminal chains, with some specificity toward 'Lys-48'-linked polyubiquitin chains compared to 'Lys-63'-linked polyubiquitin chains. Deubiquitination of HCFC1 does not lead to increase stability of HCFC1. Interferes with the BRCA1 and BARD1 heterodimer activity by inhibiting their ability to mediate ubiquitination and autoubiquitination. It however does not mediate deubiquitination of BRCA1 and BARD1. Able to mediate autodeubiquitination via intramolecular interactions to counteract monoubiquitination at the nuclear localization signal (NLS), thereby protecting it from cytoplasmic sequestration. Acts as a tumor suppressor. [UniProtKB/Swiss-Prot Function]</p>