

## Product datasheet for **MC222434**

### **N4bp1 (NM\_030563) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	N4bp1 (NM_030563) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	N4bp1
Synonyms:	A1481586; C81621
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222434 representing NM\_030563  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCCCGGGTGGTCTGGATGAGTTCACGGCGCCCGGAGAAAGCGCGCTGCTGGAGCGGAGCC  
 CGGGGCGCATCGAGGCTCTGTTCCGGGTGGGCTTGGCCGTGCTCGGCGCCCTCGGGCGGAGGAGCCGCT  
 GCCCGCGCGTATCTGGCTGCAACTCCGCGGCGCGCAGGAGGCGGTGCACAGCGCCAAGGAGTATATCAAG  
 GGGATCTGCGAGCCGGAGCTGGAGGAGAAAGAGTGTACCCCAAGGCCATGCACTGCATTTTTGTCGGGG  
 CACAAAGCCTCTTTTTGAAGAGCTTAATTCAGGATACGTGTGCTGACCTCTGTGTTTTAGATACTGGGCT  
 TCTTGGCATCCGAGGAAGCGCTGAAGCTGTGGTTCATGGCCAGGAGTACATTGAGGAGTTGTGAAGCTC  
 TTTGAGAGCAACGAGAACCTCCCAAGTATCAGAGAGAGTCGAAATCAAACGGGAATTCAGACAGTTTG  
 TTGAAGCCACGCAGACAGTTATACAATGGACCTGTTGATTCTGCCTACTTCCTGAAGAAGGAAGTACT  
 GAGTCTCACACAAGGGGAAGAGAGTCTGTTTGAACAGATGATGATGTCATTACTGTTGGAGATGTACGG  
 CCACCAGAGTACACAGAGTGTGCCACAGGACCGAGTGTGCTAGAGATGAAGTTGTTGTACAGGAAG  
 ATTCTAGAAATAAAGCTAGGACCCCTGTTTCTGAGCTTACAAAACACATGGACACAGTCTTCTCTAGTTC  
 ACCAGATGTGCTTTTTGTTCCGGTGAATGGCCTAAGTCCAGACGAAGATGCTCTTCCAAAGACAGAGTT  
 TGTCAAGAGGAGATCTTCTGATACGGAAGAAAGGCACACCAAGAAGCAGTTTTCTTGGAGAATGTTT  
 CAGAAGGGGAGCTTTTCCAGATGGTAAGGGGTGAGTGGAAATGAAGTATTGACCTGTCTGATCCTGC  
 TTCAAACCTACAAAATCTAAGCCCCGATGGAAAAGACACTACAGAAGAAATGGAATACAATATCCTTGTT  
 AACTTCTTAAAACCATGGGCTATTCCCAAGAGATTGTTGAAAAGGTATTAGGGAGTATGGGCCTTCTA  
 CAGAACCCTACTGCTCTTAGAGGAAATGAAAAGAAAATAAAAGGCTCCAAGAAGACCGAGACTTTCC  
 ACCTTGTACTGTATCCAGATGCCAGTACAGCAGAAAATGCAGGGGTTGGGAGCACCAAAATGAGCTC  
 ACAGCAGACTCCACGCAAGAAAGCACAGAGTACACAGAGCAAAAGTATGGTGGAGAGATTCTCGCAGT  
 TACCGTTCAAAGACTCTAAACACTGTACCTCAAATGCAAAGTTAATTCTTTCAGAACAGTGCCAGTAGG  
 ACAAAAACAGGAAATCTGGGGTTCAAAGCAGAAGTCAAGTTGACTGTGACCTGGAAACTGATGGCCAC  
 TCGGCCTCTGCCGCTCTGCCAGCCCTAAAGACATCAGTTTTGTTTCAAGGGGAGCTTCAGGGCACCAAC  
 AGAGAAACCCAGCTTTTCTGAAAATGGTTTTCAACAGCAAAACAGAACCTTTGCTTCAAATAATACGAA  
 GCCTGCCTGTGAAAAGCGTTCTGGCTCCTGTAGCTCTCCTCAGCCTAAGCCAAATATCCCCACTTTCT  
 CCACCCTGCCGCTGCCAGCTGCTACCTTCAGTTACTGAGGCTCGATTGGGAGGGTCTCTGACCATA  
 TCGATTCTCAGTTACAGGGGTTCAAAGATTTGAGATACCTTAAAAATACCATACAAGCTGGAATTTAA  
 AAACGAACCAGGACGAGCAGATTTGAAGCATATTGTTATAGATGGAAGTAAATGTTGCAATTACCCACGGT  
 CTGAAAAGTTCTTTAGTTGCCGTGGAATAGCAATTGCAGTTGAGTATTTTTGGAAGCTCGGCAACAGGA  
 ACATCACTGTGTTTGTCCACAGTGGAGAACAAGACGGGATCCTAATATCACAGAACAGCACTTCTTAAC  
 CCAGCTCCAGGAGCTTGAATATATCTTTAACTCCTGCCCGGATGGTCTTTGGAGAAAGAATTGCTTCT  
 CATGATGACAGTTTCTACTGCACTTAGCGGACAAGACTGGGGGTATAATTGTAACAAACGATAACTTCA  
 GAGAGTTTGTGACCGAGTCGGTGTCTGGAGAGAAATTAATACCAAAGACTGCTTCAGTACAGTTTCG  
 GGGGACATATTTATGGTTCCTGATGACCCTCTGGGAAGAAACGGACCTCGGCTAGAAGAAATTTCTCGA  
 AAGGAGGCTTTCTTAGACACATGCAGCCGCTACTCAATGCCCTGCCAAGTGTGGGCACATTTGACCCTG  
 GCTTCCGGAGTCCAGCACGCAGGTAGCCAACAACAGCCACCAGCCTCCACCCCGGATCCAGACCTCTTC  
 AAGCCCTTGCTTCCCCAGCAGTCCCACTTACAGCTCTGGCCACCCTTCCAGTATGCAGCAGAACCCA  
 CCCCTGCCAGCACAGAGATCTTCTGCAGAGACCAGCGAGCTGAGGGAGGCGCTGCTAAAGATCTTCCCTG  
 ACTCTGAGCAAAAGCTGAAGATCGACCAGATCTGGCAGCTCATCCGTACATGAAAGACCTGAATGCCCT  
 GTCGGCCCTGGTGTGGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_030563

<b>Insert Size:</b>	2682 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="#">NM_030563.2</a> , <a href="#">NP_085040.2</a>
<b>RefSeq Size:</b>	6469 bp
<b>RefSeq ORF:</b>	2682 bp
<b>Locus ID:</b>	80750
<b>UniProt ID:</b>	<a href="#">Q6A037</a>
<b>Cytogenetics:</b>	8 C3
<b>Gene Summary:</b>	Inhibitor of the E3 ubiquitin-protein ligase ITCH. Acts by interacting with the second WW domain of ITCH, leading to compete with ITCH's substrates and impairing ubiquitination of substrates.[UniProtKB/Swiss-Prot Function]