

## Product datasheet for **RN201559**

### Brinp2 (NM\_173115) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Brinp2 (NM_173115) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Brinp2
Synonyms:	Fam5b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201559 representing NM\_173115  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGTGGCCGTGCAGCTCTCGTTTAGAGGGCTTTGGCCGAGGCCGCCCATGGGCAGTCTGTCTGG  
 CACTAGGCGTGCCCGGGTGGGTGCTGGCTGCTCGGCCACGGTGGCCGCTGTGGTCCCGAACAGCATGT  
 CTCTCGGCTGGTCAGGCTCCCCTGACTGGCTGCTCACAGACCGAGGCCCTTCCACCGTGCCAGGAG  
 TATGCTGATTTTACGGAGCGTTACCGCCAGGGTTCACTACCAGATACAGGATCTACAGGGAGTTTGCC  
 GATGGAAGTGAACAACCTGGCCCTAGAAAGGAAAGACTTCTTCAAGTTTGGCCCTGCCTCTCGCCCA  
 GTTTGTCCGCAACATCCGCCTCCTTGAAGGAGACCCAACCTGCAGCAGGTCACTGAAAACCTCATCAA  
 AAGTACGGCACTATTTCTTACTTTCTGCCACTTTGGAGGAGAAGAGTCCCTGACCATTTTTGTGGACA  
 AGAGGAACTAAGCAGAAAGTCAAAAACCTAGGAGGTGTTCTGTAGTGGGGGGCACTGGGAACAGCTC  
 TGCTGTGTCTCTGAAACCTGCACCAGCTGGCAGCCTCTACTTCAATTGACAGAGAGAGCACACTGCGA  
 AGACTTACCATATCAAATAGCCACAGGGGCCATAAAGGTACAGAGACCAGGACCGGTCCACTGGGT  
 GCAGCAACTATGACAATCTGGACTCTGTGACTCTGTCTGTTGAGTCCAGAGAACAAAGTGCAGTT  
 ATTTGGGCTGCAGGTGCTGCTCCCTGAACACCTGCGTGAGCGGTTTGTGGCTGCAGCACTCAGTACATC  
 ACATGCAGCTCTGAGGGTGAAGTGTCTGCAGGGAGAATGACTGCTGGTGAAGTGCAGCCCCACGTTCC  
 CAGAATGCAACTGCTGATGCTGACATTAAGCTATGGAAGACAGCTTGTGCTGAGTCCAAAGACTCCTG  
 GGCCACTCACACAGGCAGTTTGAAGAGTCAAGAATCCAGACCCTGCTGAAGAGGCTCCCCAGCGAC  
 CGATTCCTGAACCTCACAGCCATCTCCAGTACTGGACCATGGACGCCAACCTCCAGCACCGTTATCAGC  
 AGCTGGGAGCCAGCTTGAAGTCTGTAAAGAAGATGCACCGGATCGTCCGCGCCTCTCAATCTCTG  
 CAAGCGCTGCCATCGGCAGCCTCGCTTCCGCTGCCAAGGAGAGATCCTTGTCTTTCTGGTGAACCGA  
 ATCCAGTCCCTTCTACTGTGGAGAAAGCACCTTCCCTGGGACATTCTGGAACAGAGCCACAGCTGCA  
 CCTGTCCCTATGACCAATCTTCTGCCAGGGCCCCATTCCATGTGCCCTGGGGGAAGGGCTGCATGTGC  
 CCACTGTGCTTACAGACAATACCACGCGCTGTGGGAGTTGTAACCTGGTTATGTGCTAGCCAGGGACTG  
 TGCCGGCCAGAGGTAGCCGAGTCCCTGGAGAATTTCTTGGGCTGGAGACAGACCTGCAGGACCTTGAGC  
 TGAAGTACCTGCTGCAGAAGCGAGATAGCCGATTGAGGTGCACTCCATCTTTATCAGCAATGACATGCG  
 TCTGGGCAGCTGGTTGACCCTTCTGGAGGAAGCGGATGCTCCTCACTTGAAGAGTAAACAGTACAAG  
 CCGGGCTGGTGCATGTGATGTTAGCCTTGTCTTGCAGATCTGCCTCACTAAGAACAGCACCCCTGGAGC  
 CGTTCATGGCCATCTATGTGAACCCCTCGGGGGCAGCCACTCTGAGAGCTGGTTATGCCTGTAACGA  
 GGGCAGCTTTCCAGACTGGGAAAGGACTAACGTGGATGCAGCTGCCAGTGCACAAACTGGACTATCACT  
 TTGGGGAACAGGTGGAAGACTTTTTTTGAGACAGTCCATGTTTACCTACGGAGCCGAATCAAGTCCCTGG  
 ATGACAGCTCCAACGAGACAATCTACTATGAGCCCTGGAGATGACTGATCCCTCCAAGAATTTGGGCTA  
 CATGAAAATCAACACTTTGCAGGTCTTTGGCTACAGCCTGCCCTTGGACCCGGATGCTATCCGAGACTTA  
 ATTCTCCAGCTGGACTACCCGTACACTCAAGGTTCCCAGGACTCTGCACCTTACAACCTATTGAGCTTA  
 GAGACCGGGTGAACCAACTCTCTCCCCGGCAAAGTCCGGCTTGATCTTTCTCCTGCTTGTCCGCCA  
 TAGGCTCAAGCTGGCCAAACAGAGGTGGGCAGGATCCAGTCTCCCTGAGAGCTTTCAATCCAAGCTG  
 CCAAATCTGTGGAGTATGAGACAGGCAAACTCTGTAGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_173115  
**Insert Size:** 2352 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_173115.1</a> , <a href="#">NP_775138.1</a>
<b>RefSeq Size:</b>	4130 bp
<b>RefSeq ORF:</b>	2352 bp
<b>Locus ID:</b>	286895
<b>UniProt ID:</b>	<a href="#">Q8K1M8</a>
<b>Cytogenetics:</b>	13q22
<b>Gene Summary:</b>	Inhibits neuronal cell proliferation by negative regulation of the cell cycle transition. [UniProtKB/Swiss-Prot Function]