

Product datasheet for **RR201559**

Brinp2 (NM_173115) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR201559 representing NM_173115
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGTGGCCGTGCAGCTCTCGTTTAGAGGGCTTTGGCCGAGGCCGCCCATGGGCAGTCTGTCTGG
 CACTAGGCGTGCCCGGGTGGGTGCTGGCTGTCTCGGCCACGGTGGCCGCTGTGGTCCCGAACAGCATGT
 CTCTCGGCTGGTCAGGCTCCCCGACTGGCTGCTCACAGACCGAGGCCCTTCCACCGTGGCCAGGAG
 TATGCTGATTTTATGGAGCGTTACCGCCAGGGTTCACTACCAGATACAGGATCTACAGGGAGTTTGCC
 GATGGAAAGTGAACAACCTGGCCCTAGAAAGGAAAGACTTCTTCAAGTTTGGCCCTGCCTCTCGCCCCAGA
 GTTTGTCCGCAACATCCGCCTCCTTGAAGGAGACCCAACCTGCAGCAGGTCACTGAAAACCTCATCAA
 AAGTACGGCACTATTTCTTACTTTCTGCCACTTTGGAGGAGAAGAGTCCCTGACCATTTTTGTGGACA
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 TGCTGTGTCTCTGGAAACCTGCACCAGCTGGCAGCCTCTACTTCAATTGACAGAGAGAGCACACTGCGA
 AGACTTACCATATCAAATAGCCACAGGGGCCATAAAGGTACAGAGACCAGGACCGGTCCACTGGGCT
 GCAGCAACTATGACAATCTGGACTCTGTGACTCTGTCTGTTGAGTCCAGAGAACAAGTGCAGTT
 ATGGGCTGCAGGTGCTGCTCCCTGAACACCTGCGTGAGCGGTTTGTGGCTGCAGCACTCAGTACATC
 ACATGCAGCTCTGAGGGTGAAGTGTCTGCAGGGAGAATGACTGCTGGTCAAGTGCAGCCCCACGTTCC
 CAGAAATGCAACTGTCTGATGCTGACATTAAGCTATGGAAGACAGCTTGTGCTGAGTCCAAAGACTCCTG
 GGCCACTCACAACAGGCAGTTTGAAGAGTCAAGAAGTCCAGACCCTGCTGAAGAGGCTCCCCAGCGAC
 CGATTCCTGAACCTCCACAGCCATCTCCAGTACTGGACCATGGACGCCAACCTCCAGCACCGTTATCAGC
 AGCTGGGAGCCAGCTTGAAGTCTGTAAAGAAGATGCACCGGATCGTCCGCGCCTCTCAATCTCTG
 CAAGCGCTGCCATCGGCAGCCTCGCTTCCGCTGCCAAGGAGAGATCCTTGTCTTCTGGTGGAAACCGA
 ATCCAGTCCCTTCTACTGTGGAGAAAGCACCTTCCCTGGGACATTCTGGAACAGAGCCACAGCTGCA
 CCTGTCCCTATGACCAATCTTCTGCCAGGGCCCCATTCCATGTGCCCTGGGGGAAGGGCTGCATGTGC
 CCACTGTGCTTACAGACAATACCACGCGCTGTGGGAGTTGTAACCTGGTTATGTGCTAGCCAGGGACTG
 TGCCGGCCAGAGGTAGCCGAGTCCCTGGAGAATTTCTTGGGCTGGAGACAGACCTGCAGGACCTTGAGC
 TGAAGTACCTGCTGCAGAAGCGAGATAGCCGATTGAGGTGCACTCCATCTTTATCAGCAATGACATGCG
 TCTGGGCAGCTGGTTTACCCTTCTGGAGGAAGCGGATGCTCCTCACTTTGAAGAGTACAAGTACAAG
 CCGGGCTGGTGCATGTGATGTTAGCCTTGTCTTGCAGATCTGCCTCACTAAGAACAGCACCTGGAGC
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 GGGCAGCTTCCAGACTGGGAAAGGACTAACGTGGATGCAGCTGCCAGTGC AAAAAGTGGACTATCACT
 TTGGGGAACAGGTGGAAGACTTTTTTTGAGACAGTCCATGTTTACCTACGGAGCCGAATCAAGTCCCTGG
 ATGACAGCTCCAACGAGACAATCTACTATGAGCCCTGGAGATGACTGATCCCTCCAAGAATTTGGGCTA
 CATGAAAATCAACACTTTGCAGGTCTTTGGCTACAGCCTGCCCTTGGACCCGGATGCTATCCGAGACTTA
 ATTCTCCAGCTGGACTACCCGTACACTCAAGGTTCCAGGACTCTGCACCTTACAACCTATTGAGCTTA
 GAGACCGGGTGAACCAACTCTCTCCCCCTGGCAAAGTCCGGCTTGATCTTTCTCCTGCTTGTCCGCCA
 TAGGCTCAAGCTGGCCAAACAACGAGGTGGGCAGGATCCAGTCTCCCTGAGAGCTTCAATTCCAAGCTG
 CCAAATCTGTGGAGTATGAGACAGGCAAACTCTGTAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201559 representing NM_173115
Red=Cloning site Green=Tags(s)

MRWPCSSRFRGLWPEAAPWAVLLALGVPGWVLAVSATVAAVVPEQHVSSAGQAPLDWLLTDRGPFHRAQE
YADFMERYRQGF TTRYRIYREFARWKVNNLALERKDFSLPLPLAPEFVRNIRLLGRRPNLQQVTENLIK
KYGTHFLLSATLGGEESLTIFVDKRKLSRKSETLGGVPVVGGTGNSSAVSLETLHQLAASYFIDRESTLR
RLHHIQIATGAIKVTETRTGPLGCSNYDNLDSVSSVLVQSPENKQLLGLQVLLPEHLRERFVAAALSYI
TCSSEGELVCRENDCWCKCSPTFPECNCPDADIQAMEDSLLQIQDSWATHNRQFESEEFQTLKRLPSD
RFLNSTAISQYWMDANLQHRYQQLGASLKVLLKMMHRIVRRLFNLCKRCHRQPRFRLPKERSLSFWWNR
IQSLLYCGESTFPGTFLEQSHSCTCPYDQSSCQGPICALGEGPACAHCASDNTTRCGSCNPGYVLAQGL
CRPEVAESLENFLGLETDLQDLELKYLLQKRDSRIEVHSIFISNDMRLGSWFDPSWRKRMLLTLKSNKYK
PGLVHVMLALSLQICLTKNSTLEPVMAYVNPFGGSHSESWFMPVNEGSFPDWERTNVDAQAQCQNWITIT
LGNRWKTFEFVHVYLSRIKSLDDSSNETIYYEPLMTDPSKNLGYMKINTLQVFGYSLPFDPAIRDL
ILQLDYPYQGSQDSALLQLIELRDRVNQLSPPGKVRLDLFSCLLRHRLKLANNEVGRIQSSLRAFNSKL
PNPVEYETGKLCS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

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_173115.1](#), [NP_775138.1](#)

RefSeq Size: 4130 bp

RefSeq ORF: 2352 bp

Locus ID: 286895

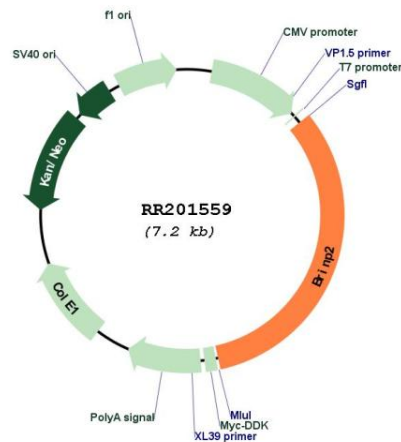
UniProt ID: [Q8K1M8](#)

Cytogenetics: 13q22

MW: 89.1 kDa

Gene Summary: Inhibits neuronal cell proliferation by negative regulation of the cell cycle transition. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR201559