

Product datasheet for **RG207049**

BRINP2 (NM_021165) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | BRINP2 (NM_021165) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | BRINP2 |
| Synonyms: | DBCCR1L2; FAM5B |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide
Sequence:

>RG207049 representing NM_021165
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGTGGCAGTGTGGCACTCGGTTTAGAGGGCTTCGGCCGGCGGTGGCCCATGGACAGCCCTGCTGG
CACTGGGCTGCCTGGCTGGGTGTTGGCTGTCTCAGCCACGGCGGCTGCTGTGGTCCCGAGCAGCATGC
CTCCGTAGCTGGCCAGCATCCCCTGGACTGGCTGCTCACAGACCGGGGCCCTTCCACCGCGCTCAGGAG
TATGCTGACTTTCATGGAGCGGTACCGCCAGGGTTTACCACCAGGTACAGGATTTATAGGGAGTTTGCCC
GTTGGAAGGTGAACAACCTGGCTCTGGAAGGAAGGACTTCTTCAGTTTGCCATTGCCTCTTGCCCCAGA
GTTTATCCGGAACATTGCCTCCTTGGAAAGGAGACCCAATCTGCAACAGGTTACAGAAAACTGATTA
AAGTACGGCACTATTTCTTACTTTCTGCCACCCTTGGAGGAGAAGAGTCCCTGACCATTTTTGTGGACA
AGCAGAACTGGGAAGAAAGACAGAGACAACAGGAGGTGCCTCTATAATCGGGGGCAGTGGGAACAGCAC
AGCTGTGTCCCTGGAGACCCTGCACCAGCTGGCCGCTCTACTTCATCGACAGAGAGAGCAGCTGCCA
CGGCTGCACCATATCCAGATAGCCACGGGGCCATCAAGGTACCGAGACCAGGACCGGTCTCTGGGCT
GCAGCAACTATGACAATCTGGACTCAGTCAGTTCTGTCTTGGTACAGAGTCCAGAGAACAAGTACAGTT
ACTTGGCCTTCAGGTGCTGCTGCCTGAGTATCTGCGTGAGCGCTTGTAGCTGCAGCACTCAGTACATC
ACATGCAGCTCTGAGGTTGAGCTCGTCTGCAAGGAGAATGACTGCTGGTGAAGTGCAGCCCCACCTTCC
CTGAATGCAACTGCCCTGATGCTGACATCCAGGCCATGGAGGACAGCCTGCTGCAGATCCAGGACTCCTG
GGCCACTACAACCGGCAGTTTGAAGAGTCAGAAGAGTCCAGGCCCTGCTGAAAAGGCTGCCCGATGAC
CGGTTCTGAACCTCCACAGCTATCTCCAGTTCTGGGCCATGGACACCAGCCTTCCAGCCGCTCTCAACCTCTG
AGCTGGGAGCTGGCTTGAAGTCTGTTCAAAAAGACCCATCGGATCCTACGCCGGCTCTCAACCTCTG
CAAGCGCTGCCATCGCCAGCCTCGCTTCCGCTGCCAAGGAGAGGTCTTGTCCCTACTGGTGAACCGA
ATCCAGTCCCTCCTACTGTGGGAAAGCACCTTTCCTGGCACTTTCCTGGAACAGAGCCACAGCTGCA
CCTGCCCTATGACCAATCTTCTGCCAGGGCCCCATCCCATGTGCCTTGGGCGAAGGGCCCGCTGTGC
CCACTGTGCTCCAGACAATAGCACACGCTGTGGGAGCTGCAACCCGGGCTATGTGCTGGCCAGGGGCTG
TGCCGGCCAGAGGTGGCCGAGTCCCTGGAAAACCTTCTTGGGCTGGAGACAGACTTGAGGACTGGAGC
TAAAGTACCTGCTGCAGAAGCAGGATAGCCGATTGAGGTACACTCCATCTTCATCAGCAATGACATGCG
GCTGGGCAGCTGGTTTGACCCTTCTGGAGGAAGCGCATGCTGCTCACCTGAAGAGCAACAAGTACAAG
CCTGGGCTGGTGCAGTGATGTTGGCCTTGTCTTGCAGATCTGTCTACCAAGAAGCAGCACCTGGAGC
CTGTCATGGCCATCTACGTCAACCCCTTGGGGGAGCCACTCTGAGAGCTGGTTTCATGCCTGTGAATGA
GGCAGCTTTCCTGACTGGGAAAGGACTAACGTGGATGCAGCTGCCAGTGC AAAAAGTGGACTATCACC
TTGGGGAATAGGTGGAAGACTTCTTTGAGACAGTTTCATGTTTACCTACGGAGCCGAATCAAGTCCCTGG
ATGACAGCTCCAATGAGACAATCTACTATGAGCCCTGGAGATGACTGATCCCTTAAGAATTTGGGTTA
CATGAAAATTAACACCTTGCAGGTCTTTGGCTACAGCCTGCCCTTGGACCCAGATGCTATCCGGGACTTA
ATTCTCCAGTTGGACTACCCATACTCAAGGTTCCAGGACTCTGCACTCTTGCAGTCAATTGAGCTCA
GGGACCGGGTGAACAGCTTTCTCCACCTGGCAAAGTCCGACTTGACCTTTCTCCTGCTTGTCCGGCA
TCGGCTTAAGCTGGCCAACAATGAGGTGGCAGGATCCAGTCTCCCTGAGGGCTTCAATTCTAAGCTG
CCAAACCTGTGGAATATGAGACCGGCAAACTCTGTAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207049 representing NM_021165
Red=Cloning site Green=Tags(s)

```
MRWQCGRFRGLRPAVAPWTALLALGLPGWVLAVSATAAAVVPEQHASVAGQHPLDWLLTDRGPFHRAQE
YADFMERYRQGF TTRYRIYREFARWKVNNLALERKDFSLPLPLAPEFIRNIRLLGRRPNLQQVTENLIK
KYGTHFLLSATLGGEESLTIFVDKQKLGRKTETTTGGASIIIGSGNSTAVSLETLHQLAASYFIDRESTLR
RLHHIQIATGAIKVTETRTGPLGCSNYDNLDSVSSVLVQSPENKVLQLLGLQVLLPEYLRERFVAAALSYI
TCSSEGELVCKENDCWCKCSPTFPECNCPDADIQAMEDSLLQIQDSWATHNRQFEESEEFQALLKRLPDD
RFLNSTAISQFWAMDTSLQHRYQQLGAGLKVLFKKTHRILRRLFNLCRCHRQPRFRLPKERSLSYWWNR
IQSLLYCGESTFPGTFLEQSHSCTCPYDQSSCQGPIPCALGEGPACAHCAPDNSTRCGSCNPGYVLAQGL
CRPEVAESLENFLGLETDLQDLELKYLLKQDSRIEVHSIFISNDMRLGSWFDPSWRKRMLLTLKSNKYK
PGLVHVMLALSLQICLTKNSTLEPVMAIYVNPFGGSHSESWFMPVNEGSFPDWERTNVDAQAQCQNWTIT
LGNRWKTFEFVHVYLSRIKSLDDSSNETIYYEPLMTDPSKNLGYMKINTLQVFGYSLPFDPDAIRDL
ILQLDYPYQTGSQDSALLQLIELRDRVNQLSPPGKVRDLDFSCLLRHRLKLANNEVGRIQSSLRAFNSKL
PNPVEYETGKLCS
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021165

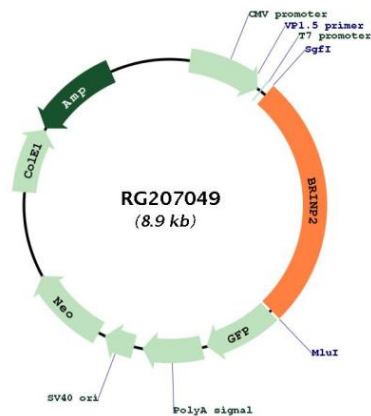
ORF Size: 2349 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

| | |
|-------------------------------|---|
| 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: | NM_021165.4 |
| RefSeq Size: | 3618 bp |
| RefSeq ORF: | 2352 bp |
| Locus ID: | 57795 |
| UniProt ID: | Q9C0B6 |
| Cytogenetics: | 1q25.2 |
| Domains: | MACPF |
| Protein Families: | Druggable Genome, Secreted Protein, Transmembrane |
| Gene Summary: | Inhibits neuronal cell proliferation by negative regulation of the cell cycle transition. [UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for RG207049