

Product datasheet for **RC207049**

BRINP2 (NM_021165) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRINP2 (NM_021165) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRINP2
Synonyms:	DBCCR1L2; FAM5B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC207049 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGTGGCAGTGTGGCACTCGGTTTAGAGGGCTTCGGCCGGCGGTGGCCCCATGGACAGCCCTGCTGG
 CACTGGGCTGCCTGGCTGGGTGTTGGCTGTCTCAGCCACGGCGGCTGCTGTGGTCCCCGAGCAGCATGC
 CTCCTAGCTGGCCAGCATCCCCGGACTGGCTGCTCACAGACCGGGGCCCTTCCACCGCGCTCAGGAG
 TATGCTGACTTTCATGGAGCGGTACCGCCAGGGTTTACCACCAGGTACAGGATTTATAGGGAGTTTGCC
 GTTGAAGGTGAACAACCTGGCTCTGGAAGGAAGGACTTCTTCAGTTTGCCATTGCCTCTTGCCCCAGA
 GTTTATCCGGAACATTGCCTCCTTGAAGGAGACCCAATCTGCAACAGGTTACAGAAAACTGATTA
 AAGTACGGCACTATTTCTTACTTTCTGCCACCCTTGGAGGAGAAGAGTCCCTGACCATTTTGTGGACA
 AGCAGAACTGGGAAGAAAGACAGAGACAACAGGAGGTGCCTCTATAATCGGGGGCAGTGGGAACAGCAC
 AGCTGTGTCCCTGGAGACCCTGCACCAGCTGGCCGCTCTACTTCATCGACAGAGAGAGCAGCTGCCA
 CGGCTGCACCATATCCAGATAGCCACGGGGCCATCAAGGTACCGAGACCAGGACCGGTCTCTGGGCT
 GCAGCAACTATGACAATCTGGACTCAGTCAGTTCTGTCTTGGTACAGAGTCCAGAGAACAAGTACAGTT
 ACTTGGCCTTCAGGTGCTGCTGCCTGAGTATCTGCGTGAGCGCTTGTAGCTGCAGCACTCAGTACATC
 ACATGCAGCTCTGAGGTTGAGCTCGTCTGCAAGGAGAATGACTGCTGGTGAAGTGCAGCCCCACCTTCC
 CTGAATGCAACTGCCCTGATGCTGACATCCAGGCCATGGAGGACAGCCTGCTGCAGATCCAGGACTCCTG
 GGCCACTCACAAACCGGCAGTTTGAAGAGTCAGAAGAGTCCAGGCCCTGCTGAAAAGGCTGCCGATGAC
 CGGTTCTGAACCTCCACAGCTATCTCCAGTTCTGGGCCATGGACACCAGCCTTCCAGCCGCTCTCAACCTCTG
 AGCTGGGAGCTGGCTTGAAGTCTGTTCAAAAAGACCCATCGGATCCTACGCCGGCTCTCAACCTCTG
 CAAGCGCTGCCATCGCCAGCCTCGCTTCCGCCTGCCAAGGAGAGGTCTTGTCTACTGGTGAACCGA
 ATCCAGTCCCTCCTACTGTGGGAAAGCACCTTTCCTGGCACTTTCCTGGAACAGAGCCACAGCTGCA
 CCTGCCCTATGACCAATCTTCTGCCAGGGCCCCATCCCATGTGCTTGGGCGAAGGGCCCGCTGTGC
 CCACTGTGCTCCAGACAATAGCACACGCTGTGGGAGCTGCAACCCGGGCTATGTGCTGGCCAGGGGCTG
 TGCCGGCCAGAGGTGGCCGAGTCCCTGGAAAACCTTCTTGGGCTGGAGACAGACTTGAGGACCTGGAGC
 TAAAGTACCTGCTGCAGAAGCAGGATAGCCGATTGAGGTACACTCCATCTTCATCAGCAATGACATGCG
 GCTGGGCAGCTGGTTTGACCCTTCTGGAGGAAGCGCATGCTGCTCACCTGAAGAGCAACAAGTACAAG
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 GGGCAGCTTTCCTGACTGGGAAAGGACTAACGTGGATGCAGCTGCCAGTGC AAAAAGTGGACTATCACC
 TTGGGGAATAGGTGGAAGACTTCTTTGAGACAGTTTCATGTTTACCTACGGAGCCGAATCAAGTCCCTGG
 ATGACAGCTCCAATGAGACAATCTACTATGAGCCCTGGAGATGACTGATCCCTTAAGAATTTGGGTTA
 CATGAAAATTAACACCTTGCAGGTCTTTGGCTACAGCCTGCCCTTGGACCAGATGCTATCCGGGACTTA
 ATTCTCCAGTTGGACTACCCATACTCAAGGTTCCAGGACTCTGCACTCTTGCAGTCAATTGAGCTCA
 GGGACCGGTGAACAGCTTTCTCCACCTGGCAAAGTCCGACTTGACCTTTCTCCTGCTTGTCCGGCA
 TCGGCTTAAGCTGGCCAAACAATGAGGTGGCAGGATCCAGTCTCCCTGAGGGCTTCAATTCTAAGCTG
 CCAAACCTGTGAATATGAGACCGGCAAACTCTGTAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC207049 protein sequence
Red=Cloning site Green=Tags(s)

MRWQCGRFRGLRPAVAPWTALLALGLPGWVLAVSATAAAVVPEQHASVAGQHPLDWLLTDRGPFHRAQE
YADFMERYRQGF TTRYRIYREFARWKVNNLALERKDFFSPLPLAPEFIRNIRLLGRRPNLQQVTENLIK
KYGTHFLLSATLGGEESLTIFVDKQKLGRKTETGGASIIIGSGNSTAVSLETLHQLAASYFIDRESTLR
RLHHIQIATGAIKVTETRTGPLGCSNYDNLDSVSSVLVQSPENKQLLGLQVLLPEYLRERFVAAALSYI
TCSSEGELVCKENDCWCKCSPTFPECNCPDADIQAMEDSLLQIQDSWATHNRQFEESEEFQALLKRLPDD
RFLNSTAISQFWAMDTSLQHRYQQLGAGLKVLFKKTHRILRRLFNLCKRCHRQPRFRLPKERSLSYWWNR
IQSLLYCGESTFPGTFLEQSHSCTCPYDQSSCQGPICALGEGPACAHCAPDNSTRCGSCNPGYVLAQGL
CRPEVAESLENFLGLETDLQDLELKYLLKQDSRIEVHSIFISNDMRLGSWFDPWRKRMLLTLKSNKYK
PGLVHVMLALSLQICLTKNSTLEPVMAIYVNPFGGSHSESWFMPVNEGSFPDWERTNVDAQAQCQNWITIT
LGNRWKTFEFVHVYLRRIKSLDDSSNETIYYEPLMTDPSKNLGYMKINTLQVFGYSLPFDPAIRDL
ILQLDYPYQGSQDSALLQLIELRDRVNQLSPPGKVRDLDFSCLLRHRLKLANNEVGRIQSSLRAFNSKL
PNPVEYETGKLCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6229_c04.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_021165

ORF Size: 2349 bp

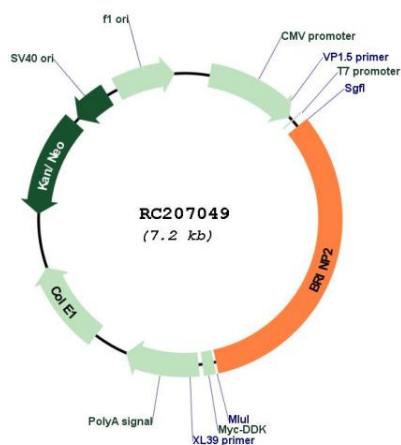
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

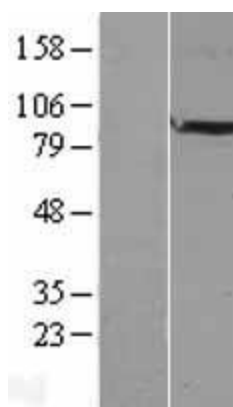
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	3617 bp
RefSeq ORF:	2352 bp
Locus ID:	57795
UniProt ID:	Q9C0B6
Cytogenetics:	1q25.2
Domains:	MACPF
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	89 kDa
Gene Summary:	Inhibits neuronal cell proliferation by negative regulation of the cell cycle transition. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207049



Western blot validation of overexpression lysate (Cat# [LY412054]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207049 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).