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Product datasheet for MR210631

Brinp2 (NM_207583) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brinp2 (NM_207583) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brinp2
Synonyms:	6430517E21Rik; BB361039; Fam5b; mKIAA1747
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>MR210631 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGTGGCCGTGCAGCTCTTGGTTTAGAGGGCTTTGGCCGGAGGCCGCCCCATGGGCAGTCCTGCTGG
CGCTAGGCGTACCCGGGTGGGTGCTGGCTGTCTCGGCCACGGTGGCCGCTGTGGTCCCGGAACAGCATGT
CTCCTCAGCTGGCCAGGCTCCCCTGGACTGGCTGCTCACAGACCGAGGCCCCTTCCACCGAGCCCAGGAG
TATGCTGATTTCATGGAGCGTTACCGCCAGGGGTTCACCACCAGATACAGGATCTACAGGGAGTTTGCCC
GATGGAAAGTGAACAACTTGGCCCTAGAAAGGAGAGATTTCTTCAGTTTGCCCCTGCCTCTCGCCCCAGA
GTTTGTCCGCAATATCCGCCTCCTTGGAAGGAGACCCAATCTGCAACAGGTTACTGAAAACCTCATCAAA
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GCAGCAACTATGACAACCTGGACTCAGTCAGCTCTGTCCTGGTTCAGAGTCCAGAGAACAAGGTGCAGTT
ACTGGGCCTGCAGGTGCTGCTCCCTGAACACCTGCGTGAGCGGTTCGTGGCTGCAGCACTCAGCTACATC
ACATGCAGTTCTGAGGGCGAGCTGGTCTGCAGGGAGAATGACTGCTGGTGCAAGTGCAGCCCCACATTCC
CGGAATGCAACTGTCCTGATGCTGACATTCAGGCTATGGAAGACAGCTTGCTGCAGATCCAAGACTCCTG
GGCCACTCACAACAGGCAGTTTGAAGAGTCCGAAGAATTCCAGACCCTGCTGAAGAGGCTCCCCAGTGAC
CGGTTCCTGAACTCCACAGCCATCTCCCAGTACTGGACCATGGACTCTAACCTCCAGCACCGTTATCAGC
AGCTGGGAGCCAGCTTGAAAGTCCTGTTAAAGAAGATGCACCGGATCGTCCGCCGCCTCTTCAATCTCTG
CAAGCGCTGTCATCGGCAGCCTCGCTTCCGCCTGCCCAAGGAGAGATCCTTGTCTTTCTGGTGGAACCGA
ATCCAGTCCCTTCTCTACTGTGGAGAAAGCACCTTCCCTGGGACGTTCCTGGAACAGAGCCACAGCTGCA
CCTGCCCCTATGACCAATCTTCCTGCCAGGGCCCCATCCCATGTGCCTTGGGGGAAGGGCCTGCATGTGC
TCACTGTGCTTCAGACAATTCCACGCGCTGTGGGAGTTGTAACCCTGGTTATGTGCTAGCCCAGGGACTG
TGTCGGCCAGAGGTAGCTGAGTCCCTGGAGAACTTCCTTGGGCTGGAGACAGACCTGCAGGACCTTGAGC
TGAAGTACCTGCTGCAGAAGCGAGATAGCCGCATTGAGGTACACTCCATCTTTATCAGCAATGACATGCG
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GGGCAACTTCCCAGACTGGGAAAGGACTAATGTAGACGCAGCTGCCCAGTGCCAAAACTGGACTATTACT
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GAGACCGGGTGAACCAACTCTCTCCCCCTGGCAAAGTCCGGCTCGACCTTTTCTCTTGCTTGCTCCGGCA
TAGGCTCAAGCTGGCCAACAATGAGGTGGGCAGGATCCAGTCCTCCCTGAGAGCTTTTAATTCCAAGCTG
CCAAATCCTGTGGAGTATGAGACGGGCAAACTCTGTAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

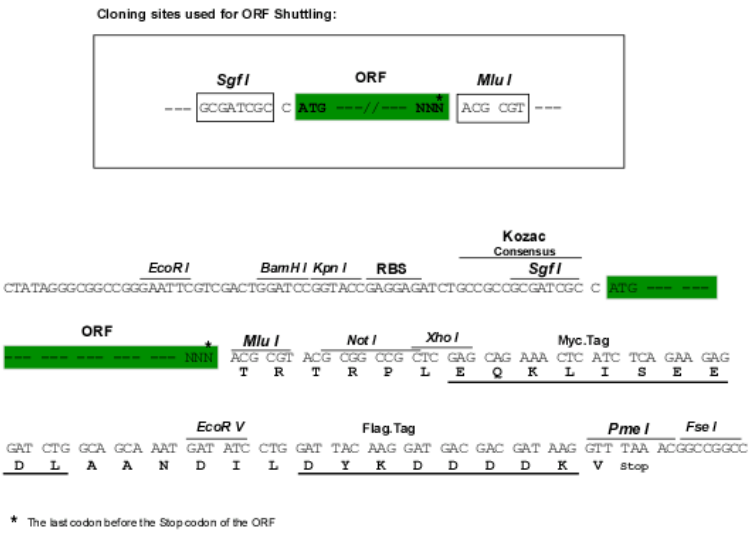
>MR210631 protein sequence
Red=Cloning site Green=Tags(s)

MRWPCSSWFRGLWPEAAPWAVLLALGVPGWVLAVSATVAAVVPEQHVSSAGQAPLDWLLTDRGPFHRAQE
YADFMERYRQGFTTRYRIYREFARWKVNNLALERRDFFSLPLPLAPEFVRNIRLLGRRPNLQQVTENLIK
KYGTHFLLSATLGGEESLTIFVDKRKLSRKSETTGGIPVVGGTGNSSAVSLETLHQLAASYFIDRESTLR
RLHHIQIATGAIKVTETRTGPLGCSNYDNLDSVSSVLVQSPENKVQLLGLQVLLPEHLRERFVAAALSYI
TCSSEGELVCRENDCWCKCSPTFPECNCPDADIQAMEDSLLQIQDSWATHNRQFEESEEFQTLLKRLPSD
RFLNSTAISQYWTMDSNLQHRYQQLGASLKVLLKKMHRIVRRLFNLCKRCHRQPRFRLPKERSLSFWWNR
IQSLLYCGESTFPGTFLEQSHSCTCPYDQSSCQGPIPCALGEGPACAHCASDNSTRCGSCNPGYVLAQGL
CRPEVAESLENFLGLETDLQDLELKYLLQKRDSRIEVHSIFISNDMRLGSWFDPSWRKRMLLTLKSNKYK
PGLVHVMLALSLQICLTKNSTLEPVMAIYVNPFGGSHSESWFMPVNEGNFPDWERTNVDAAAQCQNWTIT
LGNRWKTFFETVHVYLRSRIKSLDDSSNETIYYEPLEMTDPSKNLGYMKINTLQVFGYSLPFDPDAIRDL
ILQLDYPYTQGSQDSALLQLIELRDRVNQLSPPGKVRLDLFSCLLRHRLKLANNEVGRIQSSLRAFNSKL
PNPVEYETGKLCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_207583
ORF Size:	2352 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: 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_207583.2

RefSeq Size: 4117 bp

RefSeq ORF: 2352 bp

Locus ID: 240843

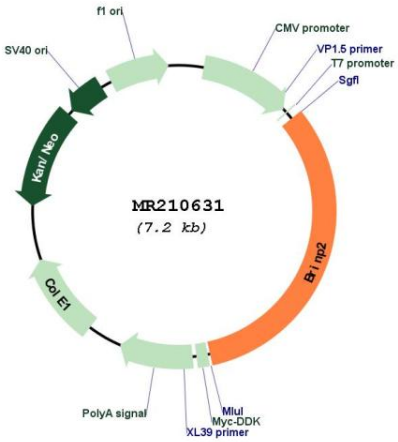
UniProt ID: Q6DFY8

Cytogenetics: 1 H1

MW: 89.2 kDa

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

Product images:



Circular map for MR210631