

Product datasheet for **MG210631**

Brinp2 (NM_207583) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brinp2 (NM_207583) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Brinp2
Synonyms:	6430517E21Rik; BB361039; Fam5b; mKIAA1747
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210631 representing NM_207583
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGGTGGCCGTGCAGCTCTTGGTTTAGAGGGCTTTGGCCGGAGGCCGCCCATGGGCAGTCTGTCTGG
CGCTAGGCGTACCCGGTGGGTGCTGGCTGCTCGGCCACGGTGGCCGCTGTGGTCCCGAACAGCATGT
CTCCTCAGCTGGCCAGGCTCCCTTGACTGGCTGCTCACAGACCGAGGCCCTTCCACCGAGCCAGGAG
TATGCTGATTTTATGGAGCGTTACCGCCAGGGTTACCACCAGATACAGGATCTACAGGGAGTTTGCC
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GTTTGTCCGAATATCCGCCTCCTTGAAGGAGACCCAATCTGCAACAGGTTACTGAAAACCTCATCAA
AAGTACGGCACTATTTCTTACTTTCTGCTACTTTGGAGGAGAAGTCTCTGACCATTTTTGTGGACA
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GAGACCGGTGAACCACTCTCTCCCTGGCAAAGTCCGGCTCGACCTTTTCTTGTGCTCGCGCA
TAGGCTCAAGCTGGCCAAACAATGAGGTGGCAGGATCCAGTCTCCCTGAGAGCTTTTAATCCAAGCTG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

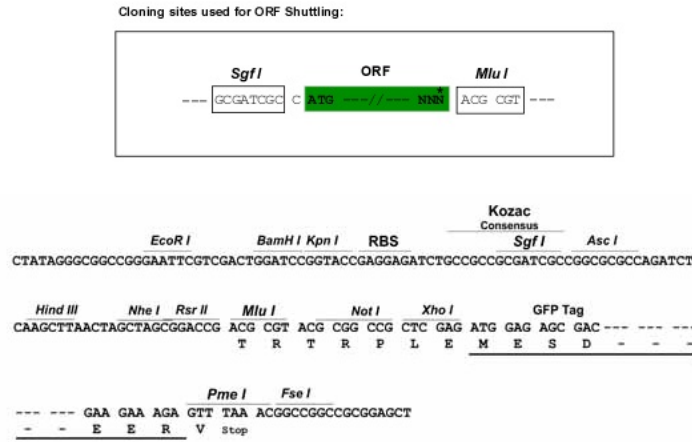
Protein Sequence: >MG210631 representing NM_207583
 Red=Cloning site Green=Tags(s)

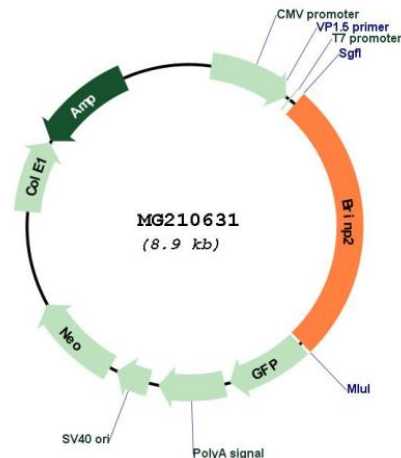
MRWPCSSWFRGLWPEAAPWAVLLALGVPGWVLAVSATVAAVVPEQHVSSAGQAPLDWLLTDRGPFHRAQE
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 KYGTHFLLSATLGGEESLTIFVDKRKLSRKSETTGGIPVVGGTGNSSAVSLETLHQLAASYFIDRESTLR
 RLHHIQIATGAIKVTETRTGPLGCSNYDNLDSVSSVLVQSPENKVQLLGLQVLLPEHLRERFVAAALSYI
 TCSSEGELVCRENDCWCKCSPTFPECNCPDADIQAMEDSLLQIQDSWATHNRQFESEEFQTLKRLPSD
 RFLNSTAISQYWMTMSNLQHRYQQLGASLKVLLKMHRIVRRLFNLCKRCHRQPRFRLPKERSLSFWWNR
 IQSLLYCGESTFPGTFLEQSHSCTCPYDQSSCQGPIPCALGEGPACAHCASDNSTRCGSCNPGYVLAQGL
 CRPEVAESLENFLGLETDLQDLELKYLLQKRDSRIEVHSIFISNDMRLGSWFDPWRKRMLLTLKSNKYK
 PGLVHVMLALSLQICLTKNSTLEPVMAIYVNPFGGSHSESWFMPVNEGNFPDWERTNVDAQAQCQNWTIT
 LGNRWKTFFETVHVYLSRIKSLDSSNETIYYEPLMTDPSKNLGYMKINTLQVFGYSLPFDPDAIRD
 ILQLDYPYQTGSQDSALLQLIELRDRVNQLSPPGKVRDLDFSCLLRHRLKLANNEVGRIQSSLRAFNSKL
 PNPVEYETGKLCS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_207583

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:

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: 4169 bp

RefSeq ORF: 2352 bp

Locus ID: 240843

UniProt ID: [Q6DFY8](#)

Cytogenetics: 1 H1

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