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Product datasheet for MR210514

Brinp1 (NM_019967) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brinp1 (NM_019967) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brinp1
Synonyms:	BRINP; Dbc1; Dbccr1; Fam5a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210514 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACTGGAGGTTTGTTGAGCTCCTCTACTTCCTGTTTGTATGGGGCCGTATCTCAGTGCAGCCCTCCC
GCCAGGAGCCAGCTGGGACAGACCAACATGTCTCCAAGGAATTTGATTGGCTTATTTCAGACAGGGGGCC
TTTCCACCACTCCAGGAGCTACCTATCCTTTGTGGAAAGACACCGGCAAGGATTTACAACCAGATATAAA
ATATACAGGGAGTTTGCCCGTTGGAAGGTGAGGAACACAGCCATAGAAAGGAGAGACCTGGTCCGTCACC
CAGTGCCCCTCATGCCGGAGTTTCAAAGGAGCATCCGTCTGCTTGGCAGGAGACCCACCACTCAGCAGTT
CATTGATACCATCATCAAAAAGTACGGCACCCACCTGCTCATCTCTGCTACATTGGGAGGAGAGGAGGCT
TTGACCATGTACATGGACAAAAGTCGCCTGGACCGGAAGTCAGGGAATGCTACCCAAAGTGTTGAAGCTT
TGCACCAGCTTGCATCATCCTACTTTGTCGACCGTGATGGCACCATGAGAAGGCTCCATGAGATCCAGAT
TTCAACTGGAGCAATCAAGGTCACAGAAACACGCACTGGGCCTCTGGGCTGTAACAGCTATGACAATCTG
GACTCTGTGAGTTCTGTCCTTCTGCAAAGCACGGAGAGCAAACTGCACCTTCAAGGTCTTCAGATAATCT
TCCCGCAGTATCTGCAAGAGAAGTTTGTTCAGTCGGCCTTGAGTTACATCATGTGCAATGGAGAGGGAGA
GTATGTGTGTCAGAACAGCCAGTGTCGCTGCCAGTGTGCTGAGGAGTTCCCACAGTGCAACTGCCCCATC
ACCGACATCCAGATCATGGAGTTTACGCTGGCAAACATGGCCAAGGCCTGGACTGAAGCTTATAAGGACC
TGGAGAATTCAGATGAGTTTAAGTCATTTATGAAGCGTCTCCCAAGCAACCACTTCCTGACGATTGGCAG
CATCCACCAGCACTGGGGCAATGACTGGGACCTGCAGAGCCGTTACAAGCTCCTACAGAGTGCCACTGAG
GCTCAGAGGCAGAAAATCCAGAGGACCGCCCGCAAGCTCTTTGGCCTCAGTGTGCGCTGCCGCCACAATC
CCAACCACCAGCTGCCTAGAGAGAGGACAATTCAACAGTGGCTTGCAAGGGTCCAGTCACTTCTCTATTG
CAATGAGAATGGGTTCTGGGGAACCTTCCTGGAAAGCCAGAGGAGTTGTGTGTGCCATGGTAGCACCACA
CTGTGCCAGCGCCCTATCCCATGTATCATAGGTGGGAACAACAGCTGTGCCATGTGCAGCCTGGCCAACA
TCTCACTCTGTGGCTCCTGCAATAAGGGCTACAAGCTGTATAGAGGCCGCTGTGAACCACAAAACGTGGA
CTCTGAGCGGAGTGAGCAGTTCATCAGCTTTGAGACCGACCTGGACTTCCAGGACTTGGAACTGAAGTAC
CTGTTGCAGAAGATGGATTCACGCCTCTATGTCCATACTACCTTCATCAGCAATGAGATTCGCCTGGATA
CATTTTTTGACCCTCGGTGGCGCAAGCGCATGTCCCTCACTCTCAAAAGCAACAAGAACCGCATGGACTT
TATCCACATGGTGATCGGAATGTCCATGCGTATCTGCCAGATGCGCAACAGCAGCCTGGACCCTATGTTC
TTTGTCTATGTCAATCCCTTCAGTGGGAGCCATTCAGAAGGCTGGAACATGCCCTTTGGGGAATTTGGCT
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GAGACTGGCCAGGGCCCGGTGGACCTGTCGGATCCCTCCAAAAGGCAGTTCTACATCAAGATCTCTGATG
TACAGGTGTTTGGGTACAGCCTGAGGTTCAATGCTGACCTCCTACGAAGTGCCGTGCAACAGGTGAATCA
GTCCTATACACAGGGTGGTCAGTTCTATTCCTCCTCATCCGTGATGCTTCTCATGTTGGACATTCGGGAC
CGAATCAACCGCCTGGCCCCTCCTGTGGCCCCAGGAAAACCCCAGCTGGACTTGTTTTCCTGTATGCTGA
AGCACCGCCTGAAGCTGACCAACAGTGAGATTATCAGGGTGAACCATGCCTTGGACCTCTACAACACTGA
GATCCTCAAACAGTCTGACCAGATGACAGCCAAACTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

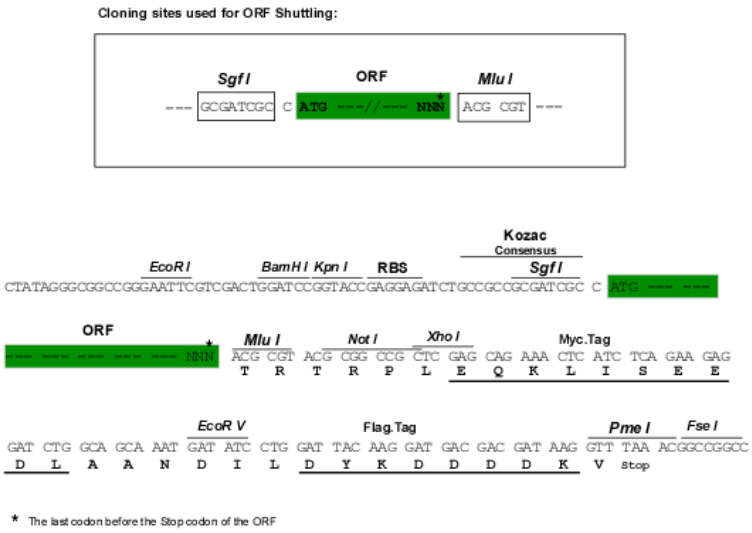
>MR210514 protein sequence
Red=Cloning site Green=Tags(s)

MNWRFVELLYFLFVWGRISVQPSRQEPAGTDQHVSKEFDWLISDRGPFHHSRSYLSFVERHRQGFTTRYK
IYREFARWKVRNTAIERRDLVRHPVPLMPEFQRSIRLLGRRPTTQQFIDTIIKKYGTHLLISATLGGEEA
LTMYMDKSRLDRKSGNATQSVEALHQLASSYFVDRDGTMRRLHEIQISTGAIKVTETRTGPLGCNSYDNL
DSVSSVLLQSTESKLHLQGLQIIFPQYLQEKFVQSALSYIMCNGEGEYVCQNSQCRCQCAEEFPQCNCPI
TDIQIMEFTLANMAKAWTEAYKDLENSDEFKSFMKRLPSNHFLTIGSIHQHWGNDWDLQSRYKLLQSATE
AQRQKIQRTARKLFGLSVRCRHNPNHQLPRERTIQQWLARVQSLLYCNENGFWGTFLESQRSCVCHGSTT
LCQRPIPCIIGGNNSCAMCSLANISLCGSCNKGYKLYRGRCEPQNVDSERSEQFISFETDLDFQDLELKY
LLQKMDSRLYVHTTFISNEIRLDTFFDPRWRKRMSLTLKSNKNRMDFIHMVIGMSMRICQMRNSSLDPMF
FVYVNPFSGSHSEGWNMPFGEFGYPRWEKIRLQNSQCYNWTLLLGNRWKTFFETVHIYLRSRTRLPTLRN
ETGQGPVDLSDPSKRQFYIKISDVQVFGYSLRFNADLLRSAVQQVNQSYTQGGQFYSSSSVMLLMLDIRD
RINRLAPPVAPGKPQLDLFSCMLKHRLKLTNSEIIRVNHALDLYNTEILKQSDQMTAKLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019967

ORF Size: 2283 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_019967.2, NP_064351.2

RefSeq Size: 3354 bp

RefSeq ORF: 2283 bp

Locus ID: 56710

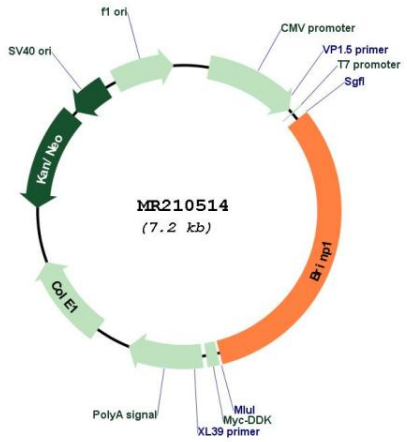
UniProt ID: Q920P3

Cytogenetics: 4 C1

MW: 88.6 kDa

Gene Summary: Inhibits cell proliferation by negative regulation of the G1/S transition. Mediates cell death which is not of the classical apoptotic type and regulates expression of components of the plasminogen pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210514