

Product datasheet for **RR213907**

Brinp3 (NM_173121) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brinp3 (NM_173121) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brinp3
Synonyms:	Fam5c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR213907 representing NM_173121
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATATGGCGGCGCAGAGCTGGTGTGAATTGTCTCTCTGATGGCTCTATGGGAGTGGATAGTACTGA
 GTCTTCATTGCTGGGTTTTAGCGGTTGCTGCTGTCTCTGACCAGCATGCCACAAGCCCTTCGACTGGCT
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Protein Sequence: >RR213907 representing NM_173121
 Red=Cloning site Green=Tags(s)

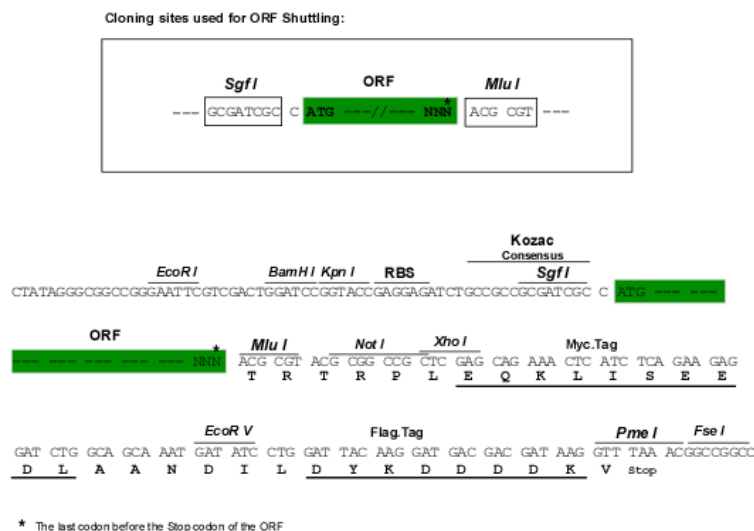
MIWRRRGAELSSLMALWEWIVLSLHCWLVAAVSDQHATSPFDWLLSDKGPFHRSQEYTDVDRSRQG
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 LCGPKFPECNCPMSMDIQAMEENLLRITETWKAYNSDFEDSDEFKFFMKRLPMNYFLNTSTIMHLWTMSDN
 FQRRYEQLENSMKQLFLKAHRIVHKLFSLSKRCHKQPLISLPRQRTSTYWLTRIQSFLYCNENGLGGSFS
 EETHSCTCPNDQVVCTAFLPCTVGDASACLTACPDNRTRCGTCNTGYMLSQGLCKPEVAESTDHYIGFET
 DLQDLEMKYLLQKTDRIEVHAIFISNDMRLNSWFDPSWRKRMLLTLKSNKYSSLVHMILGLSLQICLT
 KNSTLEPVLAVYINPFGGSHSESWFMPVSESSFPDWERTKLDLPLQCYNWTLLGNKWKTFETVHIYLR
 SRIKANGPNSNESIYYEPLFIDPSRNLGYMKINNIQVFGYSMHFDPEAIRDLILQLDYPYTGQSQDSAL
 LQLEIRDRVNKLSPPGQRRDLFSCLLRHRLKLSTSEVVRIQSALQAFNAKLPTVDYDTTKLCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_173121

ORF Size: 2298 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_173121.1](#), [NP_775144.1](#)

RefSeq Size: 3039 bp

RefSeq ORF: 2301 bp

Locus ID: 286901

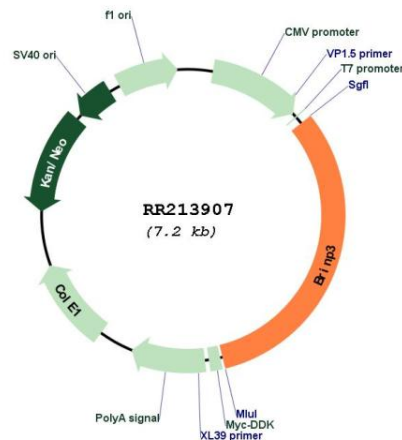
UniProt ID: [Q8K1M7](#)

Cytogenetics: 13q21

MW: 88.5 kDa

Gene Summary: Inhibits neuronal cell proliferation by negative regulation of the cell cycle transition. Promotes pituitary gonadotrope cell proliferation, migration and invasion, when overexpressed. May play a role in cell pituitary tumor development (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR213907