

Product datasheet for **RR216732**

G3bp1 (NM_133565) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G3bp1 (NM_133565) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	G3bp1
Synonyms:	G3bp; RGD1310666
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR216732 representing NM_133565
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTTATGGAGAAGCCTAGTCCCTGCTGGTCGGCGGGAGTTGTGCGACAGTACTACACCTGCTGA
 ACCAGGCCCGGACATGCTGCACAGATTTTATGGCAAGAACTCTTCTATGCCACGGGGCTTGATT
 CAACGGGAAGCCAGCAGATGCAGTCTACGGCAGAAGAAATCCACAGAAAGTATGTCACAAAATTC
 ACCAACTGCCACCAAGATCCGCCACGTGGATGCTCACGCAACTCTGAATGACGGGGTGGTGGTCCAAG
 TGATGGGGCTGCTGTCCAACAACAACAGGCTCTGCGGAGTTTATGCAGACCTTTGCTTGGCCTGA
 GGGCTCTGTTGCCAACAAATCTATGTTACAATGACATCTTCAAGATACCAAGATGAGGTCTTGGTGGC
 TTTGTCACAGAGCCTCAAGAGGAATCTGAGGAAGAAGTAGAGGAACCTGAAGAAAGACAGCAGTACCAG
 AGGTGGTTGCTGATGACTCTGGAATTTCTATGATCAGACTGTTAGCAATGACTTGGAGGAACATTTAGA
 GGAGCCTGTTGTGAACCAAGACAGAGCCGAGCCGAGCCGGAACCGGAACCTGTGTCGACATTCAA
 GAGGACAAGCCTGAGCCTGCATTGGAAGAAGCCGCTCCTGAGGATGTGCAGAAGAGCGCCTCCCGGCC
 CGGCAGACGTGGCCCCAGCACAGGAGGACTTGAGGACATTTTCTTGGGCTGTGTGACTAGTAAGAACCT
 TCCTCCAGTGGGGCTGTTCCAGTGACAGGGACACCACCTCATGTGGTCAAAGTGCCAGCATCACAGCCC
 CGTCCAGAATCTAAGCCTGACTCTCAGATCCCACCACAAAGCCCTCAGAGAGATCAGAGAGCTCAGAGC
 AGCGGATCAATATCCCTCCTCAGAGAGGACCCCGCAATTTCGTGAGGCTGGTGAACCAGGAGATGTGGA
 ACCCGAAGGATGGTGAAGCACCTGACAGTACCAGCTCTTATTGGGAACCTGCCACATGAGGTTGAC
 AAGTCGGAACCTGAAGGATTTTTTCAAAGTTATGGGAATGTTGTGGAGCTGCGCATCAACAGTGGTGGGA
 AGTTACCAACTTCGGTTTCGTTGTGTTGATGACTCGGAACAGTTTCAAGGTCCTTAATAACAGGCC
 CATCATGTTCCGAGGTGCGGTTTCGCTGAATGTGGAAGAGAAGAAGACTCGAGCTGCCAGGGAAGCGCAC
 CGCAGGGATAACCGCCTTCGGGGACCTGGAGGCCCCCGTGGTGGGCCGAGTGGTGGGATGAGAGGCCCT
 CCCGTGGAGGCATGGTGCAGAAACCAGGCTTTGGCGTGGGCAGGGGGATTACAACCTCAAGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216732 representing NM_133565
 Red=Cloning site Green=Tags(s)

MVMEKPSLLVGREFVRQYYTLLNQAPDMLHRFYGKNSSYAHGGLDSNGKPADAVYGQKEIHRKVMSQNF
 TNCHTKIRHVDHATLNDGVVVQVMGLLSNNQALRRFMQTFVLAPEGSVANKFYVHNDIFRYQDEVFVG
 FVTEPQEESEEEVEEPEERQQSPEVVADDSGTFYDQTVSNDLEEHLEEPVVEPEPEPEPEPEPVS
 EDKPEPALAAAPEEDVQKASAPADVAPAQEDLRTFSWASVTSKNLPPSGAVPVTGTPPHVVKVPASQ
 RPESKPSQIPQRPQRDQREQRINIPQRPPIREAGEPGDVEPRRMVVRHPSHQLFIGNLPHEVD
 KSELKDFQSYGNVVELRINSGGKLPNFGVVFDDSEPQKVLNRPIMFRGAVRLNVEEKKTRAAREGD
 RRDNRRLRPGGPRGGPSGMRGPPRGGMVQKPGFVGRGITTPRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_133565.1](#), [NP_598249.1](#)

RefSeq Size: 6549 bp

RefSeq ORF: 1398 bp

Locus ID: 171092

Cytogenetics: 10q22

MW: 51.8 kDa

Gene Summary: mouse homolog may play a role in the RNA-protein complex mediated transport of tau mRNA from neuronal cell body to the distal axon in developing neurons [RGD, Feb 2006]