

## Product datasheet for **RN216732**

### **G3bp1 (NM\_133565) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN216732 representing NM\_133565  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTATGGAGAAGCCTAGTCCCTGCTGGTCGGCGGGAGTTGTGCGACAGTACTACACCCTGCTGA  
 ACCAGGCCCGGACATGCTGCACAGATTTTATGGCAAGAACTCTTCTATGCCACGGGGCTTGATT  
 CAACGGGAAGCCAGCAGATGCAGTCTACGGCAGAAAGAAATCCACAGAAAGTATGTCACAAAATTC  
 ACCAACTGCCACCAAGATCCGCCACGTGGATGCTCACGCAACTCTGAATGACGGGGTGGTGGTCCAAG  
 TGATGGGGCTGCTGTCCAACAACAACCAGGCTCTGCGGAGTTTATGCAGACCTTTGTCCTTGCCCTGA  
 GGGCTCTGTTGCCAACAAATCTATGTTACAATGACATCTTCAGATACCAAGATGAGGTCTTCGGTGGC  
 TTTGTCACAGAGCCTCAAGAGGAATCTGAGGAAGAAGTAGAGGAACCTGAAGAAAGACAGCAGTACCAG  
 AGGTGGTTGCTGATGACTCTGAACTTTCTATGATCAGACTGTTAGCAATGACTTGGAGGAACATTTAGA  
 GGAGCCTGTTGTGAACCAAGACAGAGCCGGAGCCAGAGCCGGAACCGGAACCTGTGTCCGACATTC  
 GAGGACAAGCCTGAGCCTGCATTGGAAGAAGCCGCTCCTGAGGATGTGCAGAAGAGCGCCTCCCCGGCCC  
 CGGCAGACGTGGCCCCAGCACAGGAGGACTTGAGGACATTTTCTTGGGCGTCTGTGACTAGTAAGAACCT  
 TCCTCCCAGTGGGGCTGTTCCAGTGACAGGGACACCACCTCATGTGGTCAAAGTGCCAGCATCACAGCCC  
 CGTCCAGAATCTAAGCCTGACTCTCAGATCCCACCACAAAGGCCTCAGAGAGATCAGAGAGCTCGAGAGC  
 AGCGGATCAATATCCCTCCTCAGAGAGGACCCCGCAATTTCGTGAGGCTGGTGAACCAGGAGATGTGGA  
 ACCCCGAAGGATGGTGAAGCACCTGACAGTACCAGCTCTTATTGGGAACCTGCCACATGAGGTTGAC  
 AAGTCGGAACCTGAAGGATTTTTTCCAAAGTTATGGGAATGTTGTGGAGCTGCGCATCAACAGTGGTGGGA  
 AGTTACCAACTTCGGTTTCGTTGTGTTGATGACTCGGAACAGTTTCAAGGTCCTTAATAACAGGCC  
 CATCATGTTCCGAGGTGCGGTTTCGCTGAATGTGGAAGAGAAGAAGACTCGAGCTGCCAGGGAAGCGCAC  
 CGCAGGGATAACCGCCTTCGGGGACCTGGAGGCCCCCGTGGTGGGCGAGTGGTGGGATGAGAGGCCCTC  
 CCCGTGGAGGCATGGTGCAGAAACCAGGCTTTGGCGTGGCAGGGGGATTACAACCTCAAGGCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_133565
- Insert Size:** 1398 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_133565.1](#), [NP\\_598249.1](#)

**RefSeq Size:** 6549 bp

**RefSeq ORF:** 1398 bp

**Locus ID:** 171092

**Cytogenetics:** 10q22

**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]