

## Product datasheet for **MC220241**

### **Gtpbp1 (NM\_013818) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gtpbp1 (NM_013818) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gtpbp1
Synonyms:	AL022987; AW045683; C85212; GP-1; Gtpbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220241 representing NM\_013818  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGAGCGGAGTCTCCCGGTGCGACTCGCCGGTGCCGGCCTCGATGTTCCGCCCCGAGCCTA  
 GCTCTCCGGGGCGGCTCGGGCCCGCGGCCCGCGCCGACTCCATGGCGGCTTCGATTCTGACTGCAG  
 CGAGGACGGCGAGGCGCTCAACGGCGAGCCGGAGCTGGACCTCACCAGCAAGCTGGTTCTAGTGAGCCCT  
 ACATCAGAGCAGTATGACAGCCTACTTCGGCAGATGTGGGAGAGGATGGACGAGGGATGCGGAGAGACCA  
 TATATGTCATTGGGCAGGGATCAGATGGGACTGAGTACGGGCTGAGTGAAGCTGACATGGAGGCCTCCTA  
 CGCCACCGTGAAGAGCATGGCGGAGCAGATAGAGGCTGACGTATCCTCTTACGAGAACCTCAAGAAGCG  
 GGCGGCCGTGTGCGTGATTACCTAGTCAGGAAACGAGTTGGAGACAATGACTTCTCGGAGGTGAGGTGG  
 CAGTGGTGGGCAACGTGGATGCTGGCAAAGCACACTCCTGGGAGTCTAACACACGGGGAGCTGGACAA  
 TGCCCGTGGCTTTGCCGCCAAAACTCTTTCCGCCAAAAATGAGATTGAATCTGGTGAACACAGCAGT  
 GTGGGCAATGACATTCTGGGCTTTGACAGCGAAGCAATGTAGTGAACAACCCGACAGCCATGGTGGCA  
 GCCTCGAATGGACAAAGATCTGTGAGAAGTCTCTAAAGTGATCACCTTCATCGACTTGGCTGGCCACGA  
 GAAGTACCTTAAGACCACTGTTTTGGCATGACTGGCCACTTGCCTGACTTCTGCATGCTCATGGTGGGC  
 AGCAATGCTGGCATTGTGGGGATGACCAAGGAGCATCTGGGCTTGGCATTGGCACTCAATGTACCTGTGT  
 TTGTGGTTGTACCAAGATTGACATGTGCTCCTGCCAACATCCTTCAAGAAACCCCTGAAGCTGCTACAGCG  
 CCTGCTGAAGTACCAGGCTGCCGAAGATCCCTGTCTGGTGCAGAGCAAGATGATGTGATTGTACACA  
 GCCTCCAACCTCAGCTCTGAGAGGATGTCCCGATATCCAGATCTCCAATGTACAGGTGAGAACCTTG  
 ACCTGCTCAAGATGTTCTCAACCTCCTGTCCCCCGCACAGCTACCGGGAGGAGGACCTGCTGAGTT  
 CCAGATAGATGACACCTACTCTGTCCCTGGCGTGGGGACAGTGGTGTCTGGGACCACCCTGCGGGGCCTG  
 ATCAAACCTGAACGACACACTGCTGCTGGGCCAGACCCCTTGGGGAACCTCCTGTCCATTGCTGTCAAGT  
 CAATCCATCGAAACGTATGCCAGTCAAGGAGGTGCGCGGGGGCCAGACAGCCTCCTTTCGACTGAAGAA  
 GATAAAGCGCTCATCCATCCGGAAGGCATGGTGTGGTTTCCCCACGCCTGAATCCCCAGGCCTCCTGG  
 GAGTTTGGGCTGAGATCCTTGTCTCCACCACCCACCACAATTAGTCCACGATACCAAGCCATGGTAC  
 ACTGTGGGAGCATCCGGCAAACAGCTACAATTCTGAGCATGGATAAAGACTGTCTGCGCACAGGAGACAA  
 GGCCACTGTCCACTTCCGCTTCATCAAGACCCAGAGTATCTGCACATAGACCAGCGTTGGTGTCCGG  
 GAAGGTGAACCAAGGCTGTTGGCACCATACCAAGCTCCTCCAGACAACCAACAACTCCCCATGAACT  
 CCAAGCCCCAGCAGATTAATGAGTCCACAAAAAGGGTCCCCTGAGCAAACGAGAGGAAGGAGGTCC  
 ATGTGGGGTGGCGGGCAGGGGACCCCGACTGGAGATGAAGTTCCTCACTAGGGACTGCACAGGCT  
 GCCTCAACAGTGGGCTCCAGCCACAGCCCAAGCCAGCAGTGGGGGCCGGCGACGAGGGGGCCAGCGCC  
 ACAAGGTGAAGTCGGGAGCCTGTGTGACTCCTGCCAGCGGCTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_013818
- Insert Size:** 2007 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).
- 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\\_013818.2](#), [NP\\_038846.2](#)

**RefSeq Size:** 3444 bp

**RefSeq ORF:** 2007 bp

**Locus ID:** 14904

**UniProt ID:** [O08582](#)

**Cytogenetics:** 15 E1

**Gene Summary:** Promotes degradation of target mRNA species. Plays a role in the regulation of circadian mRNA stability. Binds GTP and has GTPase activity (By similarity).[UniProtKB/Swiss-Prot Function]