

## Product datasheet for **RN217082**

### **Gtpbp1 (NM\_001199315) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gtpbp1 (NM_001199315) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gtpbp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN217082 representing NM\_001199315  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGGAGCGGAGTCTCCCGGTGGACTCGCCGGTGCCGGCCTCGATGTTCCGCCCCGAGCCCA  
 GCTCTCCGGGGCGGCCCGGGCCCGCGGCCCGGCGCCGACTCCACGGCGGCTTCGACTCCGACTGCAG  
 CGAGGACGGCGAGGCGCTCAACGGCGAGCCGGAGCTGGACCTCACCAGCAAGCTGGTTCTAGTGAGCCCT  
 ACATCAGAGCAGTATGACAGTCTACTTCGGCAGATGTGGGAGAGGATGGACGAGGGATGCGGAGAGACCA  
 TATATGTCATTGGGCAGGGATCAGATGGGACTGAGTACGGGCTGAGTGGGCTGACATGGAGGCCTCCTA  
 CGCCACAGTGAAGAGCATGGCGGAGCAGATAGAGGCTGACGTATCCTCCTGCGGAACTCAAGAATCG  
 GGTGGCCGTGTGCGTGATTACTTAGTCAGGAAACGAGTGGGAGACAATGACTTCTGGAGGTGAGGTGG  
 CAGTGGTGGGCAACGTGGATGCTGGCAAAGCACACTCCTGGGAGTCTAACACATGGGGAGCTGGACAA  
 TGCCCGGGGCTTTGCCGCCAAAACCTTTTCGCCACAAAACATGAGATTGAATCTGGTGAACACAGCAGC  
 GTGGGCAATGACATTCTGGGCTTTGACAGTGAAGCAATGTGGTGAACAAGCCCGACAGCCACGGCGGCA  
 GCCTTGAGTGGACAAAGATCTGTGAGAAGTCTCCAAAGTATACCTTCATTGACTTGGCTGGCCACGA  
 GAAGTACCTTAAGACCACTGTTTTGGCATGACTGGCCATTTGCCTGACTTCTGCATGCTCATGGTGGGC  
 AGCAATGCTGGCATCGTGGGGATGACCAAGGAGCACCTGGGCTTGGCACTGGCACTCAATGTACCTGTCT  
 TTGTGGTTGTCAACAAGATTGACATGTCTCCTGCCAACATCCTTCAAGAAACCTGAAGCTGCTACAGCG  
 TCTGCTGAAGTACCAGGCTGCCGAAGATCCCTGTCTTGGTGCAGAGCAAGATGATGTCATTGTCACA  
 GCCTCCAACCTCAGCTCTGAGAGGATGTCCCGATATCCAGATCTCCAATGTCACAGGTGAGAACCTTG  
 ATCTGCTCAAGATGTTCTCAACCTCCTGTCCCCCGCACAGCTACAGGGAGGAAGAACCTGCTGAGTT  
 CCAGATAGATGATACCTACTCTGTTCTTGGTGTGGGGACAGTGGTGTCTGGGACCACACTGCGGGGCTG  
 ATCAAACGAATGACACACTGCTGCTGGGCCAGACCCTTTGGTAACTTCTGTCCATTGCTGTCAAGT  
 CGATCCATCGCAAGCGAATGCCTGTCAAGGAGGTACGGGGGGCCAGACAGCCTCCTTTCGACTGAAGAA  
 GATCAAGCGCTCATCCATCCGAAAGGCATGGTATGGTTTCCCAAGCCTGAATCCCAAGGCTCCTGG  
 GAGTTTGGGCTGAGATTCTTGTCTCCACCACCCACCACAATTAGTCCACGATACCAAGCCATGGTGC  
 ACTGTGGGAGCATCCGGCAGACAGCTACAATTCTGAGCATGGATAAAGACTGTCTGCGCACAGGAGATAA  
 AGCCACTGTCCACTTCCGCTTCATCAAGACCCCTGAGTACCTGCACATTGACCAGCGTTGGTGTCCGG  
 GAAGGTGAACCAAGGCTTTGGCACCATCAACAAGCTCCTCCAGACAACCAACAACCTCCCCATGAACT  
 CCAAGCCCAGCAGATTAATGCAAGTCCACAAAAAGGGTCCCCTGAGCAACGAGAAGAAGGTGGTCC  
 ATCTGGTGTGCCAGCGGAGGGCCCCCTCAACTGGAGATGAGGCTTCTCGCTAGGGACTACACAGCT  
 GCCACATCCAGTGGTCTCCAGCCACAGCCCAAGCCAGCAGTGGGGGCGGGCAGAGGGGGCCAGCGCC  
 ACAAGGTGAAGTCCCAGGGGGCTGTGTGACTCCTGCCAGCGGCTGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001199315

**Insert Size:** 2010 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001199315.1</a></u> , <u><a href="#">NP_001186244.1</a></u>
<b>RefSeq Size:</b>	2647 bp
<b>RefSeq ORF:</b>	2010 bp
<b>Locus ID:</b>	300077
<b>UniProt ID:</b>	<u><a href="#">D2XV59</a></u>
<b>Cytogenetics:</b>	7q34
<b>Gene Summary:</b>	Promotes degradation of target mRNA species. Plays a role in the regulation of circadian mRNA stability. Binds GTP and has GTPase activity.[UniProtKB/Swiss-Prot Function]