

Product datasheet for **RN209267**

Gtpbp3 (NM_001011919) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtpbp3 (NM_001011919) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gtpbp3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209267 representing NM_001011919
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCGTGGGCTAAGCGCCCTGGTGACCCGGCCGCAAGTGGCCCTCAGGCTGTGCGCAGCTGCA
 GCACCGGTGCAGAGTCCTTGGTCCCGGGAGCACCATCTTTGCGCTCAGCTCCGGCCAGGGACGCTGCGC
 CATCGCAGTGATCCGCACCAGCGGCCAGCCAGTGGGCTCGCGCTCCGCAGCCTCACGGCTCTCCGGAG
 CCGCTCCGGCCCGCAGCGCCTGCTTGCCTTCTCCGCCACCCTTGCTCCGGGGAGCCACTGGACCCT
 CACTCGTCCTCTGGTTTCCAGGCCCCAGAGTTTACGGGTGAGGATTGCATGGAGTTGCACGTACACGG
 AGGTCCTGCGGTGGTCAAGCGGTGCTTGCAGGCATTGGGTAGTGTGCCAGGACTTCGCCAGCCAAGGCC
 GGGGAGTTCACCAGGAGGGCCTTGGCCATGGCAAAGTGCAGCCTGACTGAAGTGGAGGGACTTCCGGATC
 TGATCCATGCAGAAACAGAGGCCAGCGTCGACAGGCCTTGAGGCAGCTGGATGGGAACTGAGCCAGCT
 TGCCAGGGCTGGGCGAAGACCCTACCAAGGCTCTGGCCATGTGGAGGCCTACATTGACTTCGGAGAG
 GATGATAAATTTGGAAGAGGGTGTGTTGGAGCAGGTGGACAGAGATGTGCGGGCCCTGGAGGTGGCACTGA
 GTTCCACCTGCGAGATGCCAGACGTGGACAGAGGCTCCGCTCAGGGGCAAACTGTGGTTCGCCGGACC
 GCCCAATGCGGGCAAGAGCAGTCTAGTGAATCTGCTCAGCCAGAAGCCAGTGTCCATTGTGTCCCCAGAG
 CCCGGGACCACCCGTGACATCTTGGAGACTCCTGTGGACTGGCTGGGTTTCTGTCTTGTGAGCGACA
 CCGCGGGGCTTCGGGAAGGTGCAGGTGCTGTTGAGCAGGAGGGAGTGGCAGGGCCCGCCAGAGGCTGGA
 GCAAGCTGACATCATCTGGGGATGCTGGATGCCTCCGACCTGGCTTCTCTCTAGCTGCAGCTTCTGT
 GACACTGTGGTGGCCCACTGGTAGCACAAGCCATGACAGTGGCAGGCAGCCCTGCCTCACCTGCTTGTGC
 ACAATCTGATCTGCTGTCTGCTAATGCCCCAGCCAGCAGCACAGCCCTGCCTCACCTGCTTGTGTC
 CTGCCACACTGGAGCTGGGATGGAGCCCTCCTGCAGGCCCTGAAGACTGAACTGGCTGCAGTGTGTGGG
 GACCCATCCACAGGACCGCCGCTCTTGACCCGAGCTAGGCACCAGTACCACCTCCAGGGCTGCCTGGATG
 CCCTGGGCGCTTCCAGCTGACCACAGATCTGGCTCTGGCCGCGAGGCCCTGCGCCAGGCTCGGAGACA
 GCTAAGCCACCTCACAGGTGGAGGGGAACCGAGGAGATCCTGGACCTCATCTTCCAGGACTTCTGTGTG
 GGCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001011919

Insert Size: 1479 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_001011919.1](#), [NP_001011919.1](#)

RefSeq Size: 2418 bp

RefSeq ORF: 1479 bp

Locus ID: 290633

UniProt ID: [Q5PQQ1](#)

Cytogenetics: 16p14

Gene Summary: GTPase involved in the 5-carboxymethylaminomethyl modification (mnm(5)s(2)U34) of the wobble uridine base in mitochondrial tRNAs.[UniProtKB/Swiss-Prot Function]