

Product datasheet for **MC216842**

Gtpbp3 (NM_032544) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtpbp3 (NM_032544) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gtpbp3
Synonyms:	2410009F13Rik; AI607903
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216842 representing NM_032544
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGCGTGGGCTGAGCGCCCTGGTGACCAGCGCGCGTGGCGCCCTCAGGCTGTGCGCAGCTGCA
 GCACCAGTGCAGAGTCTTAGTCCCAGCAGCACCATCTTCGCACTCAGCTCCGGCCAGGGACGCTGCGC
 CATCGCAGTGATCCGCACCAGCGGTCCAGCTAGCGGGCTCGCGCTCCGCAGCCTCACGGCGCTCCAGGAG
 CCGCCTCTGCCCGCAGAGCCTGCCTGCGCCTTCTCCGCCACCCGTGCTCCGGGGAGCCACTGGACCCT
 CACTCGTCTCTGGTTCCAGGACCCAGAGTTTCACGGGTGAGGATTGCGTGGAGTTTCACGTACACGG
 AGGTCTGCGGTGGTCAAGCGGTGCTTGCAGGCATTGGGTAGTGTGCCAGGACTGCGGCCAGCCAGGCC
 GGAGAGTTCACCAGGAGGGCATTGCCCATGGCAAGCTGAGCCTGACTGAAGTGGAGGGACTGGCAGATC
 TTATCCGTGCAGAACTGAGGCCAGCGTCGACAGGCTCTGAGGCAGCTGGATGGGGAAGTGGCCAGCT
 CTGCCAGGGCTGGCAAAGACTCTACCAAGGCTCTGGCCTATGTGGAGGCCTACATTGACTTCGGAGAG
 GATGATAAATTTGGAAGAGGGTGTGTTGGAGCAGGCGGACAGAGAAGTTCGAGCCCTGGAGGTGGCGCTGG
 GTTCCACCTGCGAGATGCTAGGCGTGGACAAAGGCTCCTCTCGGGGGCAAAATGTTGTGGTCACTGGACC
 TCCCAATGCGGGCAAGAGCAGTCTGGTGAATCTACTCAGCCAAAAGCCAGTGTCCATCGTGTCCCGAGAG
 CCTGGGACCACCCGTGACGTGCTGGAGACTCCCGTGGACTTGGCTGGGTTCCCTGTCTTGTGAGCGACA
 CTGCAGGGCTCCGGGAAGGCGTGGGCGCTGTTGAGCAGGAGGGTGTGCGCAGGGCCCGCCACAGGCTGGA
 GCAGGCTGACATCTTGGGGTGTGGAGCGCTCCGACCTGGCCTCCTCATCCAGCTGCAGCTTCCTG
 GACACTGTAGTGACCCCACTGCTAGCACAAAGCCAAGACAGCGGTGGGCAGCGCCTCCTGCTGCTGCTCA
 ACAAATCTGATCTGCTGCTGCTAATGCCCCAGCCTGCGACATAGCCCTGCCTCACCTGCTCCTGCTGTC
 CTGCCACACGGGAGCCGGGATGGACAGCCTCCTGCAGGCCCTGAAGACCGAGCTGGCTGCGGTGTGTGGG
 GACCCATCCACAGGACCACCGCTCTTGACCCGGGTCAAGCACCAGTACCACCTCCAGGGCTGCCTGGATG
 CCTTGGGCCACTACCAGCTGGCCACAGACTGGCTCTGGCGGCCAGGCCCTGCGCCAGGCTCGGAGGCA
 ACTAAATCACCTCACAGGTGGAGGAGGAACGGAGGAGATCCTGGATCTCATCTTCCAGGACTTCTGTGTG
 GGCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_032544

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_032544.3](#), [NP_115933.2](#)

RefSeq Size: 2800 bp

RefSeq ORF: 1479 bp

Locus ID: 70359

UniProt ID: [Q923K4](#)

Cytogenetics: 8 B3.3

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]