

Product datasheet for **RC217694**

GTPBP3 (NM_133644) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTPBP3 (NM_133644) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GTPBP3
Synonyms:	COXPD23; GTPBG3; MSS1; MTGP1; THDF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC217694 representing NM_133644
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGCGGGGGCTTTGGACCTGGCGGCCAAGCGGCACGTGGCCCTCGCAGATTGTGCACCGCCGGA
 GCAGCGGCGACCCAGCCCCGGCTCCGGCGCCACCATCTTCGCGCTAAGCTCTGGCCAAGGCCGCTGCGG
 CATCGCAGTGATCCGGACCAGCGCCCCGCCAGCGGCCACGCCCTCCGAATTCTCACAGCACCCGAGAC
 CTGCCCTTGCTCGCCACGCCAGCCTGCGCCTGCTCAGCGATCCCGCTCCGGGGAGCCTCTGGACCGCG
 CACTGGTGTCTGGTTCCAGGTCCCAGAGTTTACCAGGTGAGGACTGCGTGGAGTTCCACGTGCATGG
 AGGCCCGCAGTGGTGAAGCGGCTCTGCAGGCCCTGGGCAGCGTCCAGGGCTTCGACCGCGGAGGCA
 GGCGAGTACCAGACGGCGTTCGCCAATGGGAAGCTGAACCTGACCGAAGTGGAGGGGCTGGCGGACC
 TTATCCACGCGGAAACAGAGGCGCAGCGCGCCAGGCCCTCAGGCAGCTGGACGGAGAGCTGGGCCACCT
 CTGCCGTGGCTGGCCGAGACCCCTACCAAAGCTCTGGCCACGTGGAGGCCTATATCGATTTCGGCGAG
 GATGACAACCTGGAGGAGGGGCTCTGGAGCAAGTGGTCTACCTGGTGGTGGGGGAGGAAGACACCTC
 ATATCAGCCCTCAAAGGCTCCCCCTCACTGTCTCTCTGCTGCTTCTCTCACCCACAGCCGACATCGA
 AGTACGGGCACTGCAGGTGGCCCTGGGTGCACATCTACGAGATGCCAGGCGCGGGCAGAGGCTCCGCTCA
 GGGGTGCACGTAGTGGTCACTGGACCCCCAATGCGGGCAAGAGCAGCCTAGTGAACCTGCTCAGTCGGA
 AGCCTGTGTCCATCGTGTCCCGGAGCCAGGGACCACCGTGACGTGCTGGAGACCCAGTCGACCTGGC
 CGGATTTCTGTGCTGCTGAGCGACACGGCTGGTTGCGGGAGGGCGTGGGGCCCGTGGAGCAGGAGGGC
 GTGCGGCGCGCCCGGAGAGGCTAGAGCAGGCTGACCTCATTCTGGCCATGCTGGATGCTTCTGACCTGG
 CCTCTCCCTCCAGTTGCAACTTCTGGCCACCGTCTGAGCCTCTGTGGGAGCCAGAGCCCAAGTACGAG
 CAGCCAGCGCCTCTCTGGTGTGAACAAGTCGGACCTGCTGTCCCGGAGGGCCAGGTCCCGGTCTCT
 GACCTGCCCCCGCACCTGCTGCTGCTGCTGCTGACGGGAGAGGGGCTGGACGGCCTCTGGAGGCGTGA
 GGAAGGAGCTAGCTGCAGTGTGTGGGACCCGTCACAGATCCCCGCTGCTGACCCGAGCAAGGCACCA
 GCACCACCTCCAGGGTTGCTGGATGCCCTCGGCCACTACAAGCAGTCAAAGACCTGGCCCTGGCGGCA
 GAGGCGCTGCGGGTGGCCGGGGTACCTGACCCGGCTCACAGGTGGAGGGGTACCGAGGAGATCTGG
 ACATCATCTTCCAGGACTTCTGTGTGGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217694 representing NM_133644
 Red=Cloning site Green=Tags(s)

MWRGLWTLAAQAARGPRRLCTRSSGAPAPGSGATIFALSSGQGRCGIAVIRTSGPASGHALRILTAPRD
 LPLARHASLRLLSDPRSGEPLDRALVLFPGPQSFTGEDCVFHVHGGPAAVSVGLQALGSVPGLRPAEA
 GEFTRRAFANGKLNLEVEGLADLIHAETEAQRQALRQLDGELGHLCRGWAETLTKALAHVEAYIDFGE
 DDNLEEGVLEQGGSTWWWGRKTPHISPQRLPSLSACLSPADIEVRALQVALGAHLRDARRQRLRS
 GVHVVTGPPNAGKSSLVNULLSRKPVSIVSPEPGTTRDVLETPVDLAGFPVLLSDTAGLREGVGPVEQEG
 VRRARERLEQADLILAMLDAIDLASPSSCNFLATVVASVGAQSPSDSSQRLLLVLNKSDDLSPGPGPGP
 DLPPHLLL SCLTGEGLDGLLEALRKELAAVCGDPSTDPPLLTRARHQHHLQGCLDALGHYKQSKDLALAA
 EALRVARGHLTRLTGGGGTTEEILDIIIFQDFCVGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8065_d10.zip

Restriction Sites:

Sgfl-Mlul

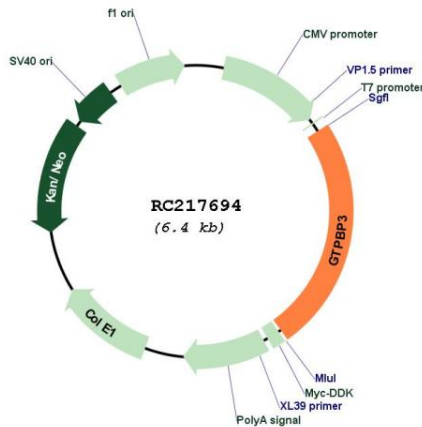
UniProt ID: [Q969Y2](#)

Cytogenetics: 19p13.11

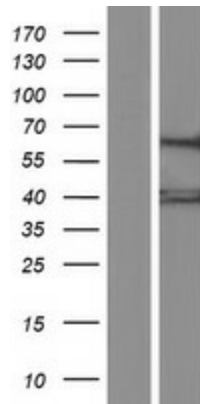
MW: 55.4 kDa

Gene Summary: This locus encodes a GTP-binding protein. The encoded protein is localized to the mitochondria and may play a role in mitochondrial tRNA modification. Polymorphisms at this locus may be associated with severity of aminoglycoside-induced deafness, a disease associated with a mutation in the 12S rRNA. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RC217694



Western blot validation of overexpression lysate (Cat# [LY408763]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217694 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).