

Product datasheet for **MR216540**

Gtpbp2 (NM_019581) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtpbp2 (NM_019581) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtpbp2
Synonyms:	nmf205
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR216540 representing NM_019581
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTGAAACCTCAAAGCTCGGGGGCCGGCGGTAGCAGCAGTTGCGGGGCCAAAGGGGAAGAAGA
 AGAACGGAAGGAACAGAGGAGGTAAGCCAACAACCCCTCCGTACCTGCCCCAGAGGCTGAAGATGGAAA
 CATCGAATATAAACTGAAGCTGGTGAACCCATCTCAGTACCGCTTTGAGCACTTGGTGACACAAATGAAG
 TGGCGGCTCCAGGAAGGACGTGGTGAAGGCTGTCTACCAGATTGGGGTAGAGGACAATGGGCTGCTGGTGG
 GGCTGGCTGAAGAGGAGATGCGGGCTTCCCTCAAGACCCGACCCGGATGGCAGAGAAGGTTGGGGCAGA
 CATCACTGTTCTTCGGGAGCGAGAGGTGGATTATGACAGTGACGTGCCCGGAAGATCACTGAGGTGCTA
 GTACGAAAGGTCCTGACAACCAACAGTTCCTAGATCTCCGTGTGGCCGTCTAGGGAATGTGGACTCAG
 GGAAGTCAACCTTGCTTGGAGTCTGACCAAGGAGAGCTGGACAACGGGCGGGCCGGGCCGGCTCAA
 CCTTTCCGCCACCTGCATGAGATTGAGTCTGGCCGAACCTCCAGCATCAGCTTTGAGATCTGGGCTTT
 AACAGCAAGGGAGAGGTGGTGAATTACAGCGACTCACGGACTGCAGAAGAGATCTGTGAGAGCAGCTCCA
 AGATGATCACCTTCATTGACCTGGCGGGCCACCATAAATACCTGCACACCACCATCTTTGGCCTCACCTC
 TACTGCCCGACTGTGCCCTGCTCCTCGTCAGTGCCAACACTGGAATCGCCGGCACCACACGGGAACAC
 CTGGGGCTGGCCTTGGCCCTGAAAGTGCCCTTCTTCATCGTGGTCAAGTAAAGTGGACCTGTGTGCTAAGA
 CCACAGTGGAGAGGACAGTTCGCCAGCTGGAGCGGGTCTCAAGCAGCCTGGCTGCCACAAGTCCCCAT
 GCTGGTCACTCTGAGGATGATGCTGCTGCTGCTGCCCAGCAGTTTGGCCAGTCAACCAATGTCAACCT
 ATATTTACACTGTCCAGTGTGTCTGGAGAGAGCCTGGACCTTCTTAAAGTCTTCTGAATATCTGCCGC
 CCCTCACCAACAGCAAGGAGCAGGAGGAGCTCATGCAACAGTTGACAGAGTTCAGGTGGATGAAATCTA
 CACAGTCCAGAGGTGGGGACTGTGGTTGGAGGAACACTATCCAGTGGGATCTGCCGCGAGGGGGACCAG
 CTGGTGGTAGGCCCGACAGATGATGGCTGTTTCTTGGAGCTGAGGGTATGCAGCATCCAGCGCAACCGCT
 CTGCGTGTGCTGTTCTTCGAGCAGGTGAGGCTGCTACACTCGCCCTTGGAGACTTTGACCGTGCATTGCT
 TCGCAAGGGCATGGTCATGGTGAAGTCCCAGATGAATCCCACCATCTGCTCAGTGTTTGAGGCAGAGATA
 GTCCTACTGTTCCACGCCACCACCTTTCGGCGGGGATTCCAGGTGACAGTACATGTGGGCAACGTACGTC
 AAACAGCAGTGGTGGAAAAGATCCACGCAAAAGGACAAGCTGCGGACAGGGGAGAAGGCAGTGGTGCCTT
 CCGTTTCTGAAACACCCAGAATACCTGAAGGTGGGCGCCAAACTGCTGTTCCGGGAGGGTGTGACCAA
 GGCATCGGTGATGTCACGGATGTACAAGCCATCACAGCAGGAGAGGCCAGGCCACCATGGGCTTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216540 representing NM_019581
 Red=Cloning site Green=Tags(s)

MGGNLKARGAGGSSSCGGPKGKKKNGRNRGGKANNPPYLPPEAEDGNIEYKLLKLVNPSQYRFEHLVTQMK
 WRLQEGRGEAVYQIGVEDNGLLVGLAEEMRASLKLHRMAEKVGADITVLREREVDYSDVPRKITEVL
 VRKVDPNQQLDLRVAVLGNVDSGKSTLLGVL TQGELDNGRGRARLNLFRHLHEIQSGRTSSISFEILGF
 NSKGEVNYSDSRTAEEICESSSKMITFIDLAGHHKYLHTTIFGLTSYCPDCALLLVSANTGIAGTTREH
 LGLALALKVPPFFIVVSKVDLCAKTTVERTVRQLERVLKQPGCHKVPMPLVTSDDAVTAAQQFAQSPNVT
 IFTLSSVSGESLDLLKVFLNPLPLTNSKEQEELMQLTEFQVDEIYTVPEVGTVVGGTSSGICREGDQ
 LVVGPTDDGCFLELRVCSIQNRNSACRVL RAGQAATLALGDFDRALLRKGMMVSPENPTICSVFEAEI
 VLLFHATTFRRGFQVTVHVGNVQRTAVVEKIHAKDKLRTGEKAVVRFRLKHPEYLVKVGAKLLFREGVTK
 GIGHVTDVQAITAGEAQAATMGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

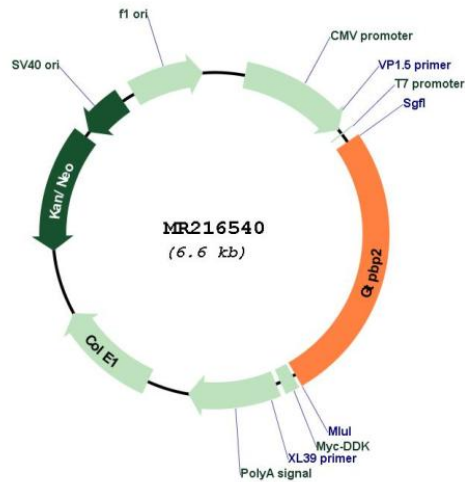
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_019581
 ORF Size: 1806 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_019581.2
RefSeq Size:	2982 bp
RefSeq ORF:	1809 bp
Locus ID:	56055
UniProt ID:	Q3UJK4
Cytogenetics:	17 C
MW:	66.2 kDa