

Product datasheet for **MG216540**

Gtpbp2 (NM_019581) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gtpbp2 (NM_019581) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gtpbp2
Synonyms:	nmf205
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216540 representing NM_019581
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGAAACCTCAAAGCTCGGGGGCCGGCGGTAGCAGCAGTTGCGGGGCCAAAGGGGAAGAAGA
 AGAACGGAAGGAACAGAGGAGGTAAGCCAACAACCCCTCCGTACCTGCCCCAGAGGCTGAAGATGGAAA
 CATCGAATATAAACTGAAGCTGGTGAACCCATCTCAGTACCGCTTTGAGCACTTGGTGACACAAATGAAG
 TGGCGGCTCCAGGAAGGACGTGGTGAAGCTGTCTACCAGATTGGGGTAGAGGACAATGGGCTGCTGGTGG
 GGCTGGCTGAAGAGGAGATGCGGGCTTCCCTCAAGACCCGACCCGGATGGCAGAGAAGTTGGGGCAGA
 CATCACTGTTCTTCGGGAGCGAGAGGTGGATTATGACAGTGACGTGCCCGGAAGATCACTGAGGTGCTA
 GTACGAAAGGTCCTGACAACCAACAGTTCCTAGATCTCCGTGTGGCCGTCTAGGGAATGTGGACTCAG
 GGAAGTCAACCTTGCTTGGAGTCTGACCAAGGAGAGCTGGACAACGGGCGGGCCGGGCCGGCTCAA
 CCTTTCCGCCACCTGCATGAGATTGAGTCTGGCCGAACCTCCAGCATCAGCTTTGAGATCTGGGCTTT
 AACAGCAAGGGAGAGGTGGTGAATTACAGCGACTCACGGACTGCAGAAGAGATCTGTGAGAGCAGCTCCA
 AGATGATCACCTTCATTGACCTGGCGGGCCACCATAAATACCTGCACACCACCATCTTTGGCCTCACCTC
 TACTGCCCGACTGTGCCCTGCTCCTCGTCAGTGCCAACACTGGAATCGCCGGCACCACACGGGAACAC
 CTGGGGCTGGCCTTGGCCCTGAAAGTGCCCTTCTTCATCGTGGTCAAGTAAAGTGGACCTGTGTGCTAAGA
 CCACAGTGGAGAGGACAGTTCGCCAGCTGGAGCGGGTCTCAAGCAGCCTGGCTGCCACAAGTCCCAT
 GCTGGTCACTCTGAGGATGATGCTGCTGCTGCTGCCCAGCAGTTTGGCCAGTCAACCAATGTCAACCT
 ATATTTACACTGTCCAGTGTGTCTGGAGAGAGCCTGGACCTTCTTAAAGTCTTCTGAATATCCTGCCGC
 CCCTCACCAACAGCAAGGAGCAGGAGGAGCTCATGCAACAGTTGACAGAGTTCAGGTGGATGAAATCTA
 CACAGTCCAGAGGTGGGGACTGTGGTTGGAGGAACACTATCCAGTGGGATCTGCCCGAGGGGGACCAG
 CTGGTGGTAGGCCCGACAGATGATGGCTGTTTCTTGGAGCTGAGGGTATGCAGCATCCAGCGCAACCGCT
 CTGCGTGTGCTGTTCTTCGAGCAGGTGAGGCTGCTACACTCGCCCTTGGAGACTTTGACCGTGCATTGCT
 TCGCAAGGGCATGGTCATGGTGAAGTCCCGAGATGAATCCACCATCTGCTCAGTGTTTGAGGCAGAGATA
 GTCCTACTGTTCCACGCCACCACCTTTCGGCGGGGATTCCAGGTGACAGTACATGTGGGCAACGTACGTC
 AAACAGCAGTGGTGGAAAAGATCCACGCAAAAGGACAAGCTGCGGACAGGGGAGAAGGCAGTGGTGCCTT
 CCGTTTCTGAAACACCCAGAATACCTGAAGTGGGCGCCAAACTGCTGTTCCGGGAGGGTGTGACCAAA
 GGCATCGGTCATGTCACGGATGTACAAGCCATCACAGCAGGAGAGGCCACCGCCACCATGGGCTT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216540 representing NM_019581
 Red=Cloning site Green=Tags(s)

MGNLKARGAGSSSCGGPKGKKNRNRGGKANNPPYLPPEAEDGNIEYKLLVNPSSQYRFEHLVTQMK
 WRLQEGRGEAVYQIGVEDNGLLVGLAEEMRASLKLHRMAEKVGADITVLREREDVDSDVPRKITEVL
 VRKVPDNQQFLDLRVAVLGNVDSGKSTLLGVL TQGELDNGRGRARLNLFRHLHEIQSGRTSSISFEILGF
 NSKGEVVNYSRSTAEIECESSKMITFIDLAGHHKYLHTTIFGLTSYCPDCALLLVANTGIAGTTREH
 LGLALALKVPPFFIVVSKVDLCAKTTVERTVRLERVLKQPGCHKVPMVLTSEDDAVTAAQQAQSPNVTP
 IFTLSSVSGESLDLLKVFLNILPPLTNSKEQEELMQQLTEFQVDEIYTVPEVGTVVGGTSSGICREGDQ
 LVVGPDDGCFLELRVCSIQNRNSACRVL RAGQAATLALGDFDRALLRKGMMVSPENPTICSVFAEI
 VLLFHATTFRRGFQVTVHVGNVQRQTAVVEKIHAKDKLRTGEKAVVRFRLKHPEYLKVGAKLLFREGVTK
 GIGHVTDVQAITAGEAQAATMGF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



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:

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

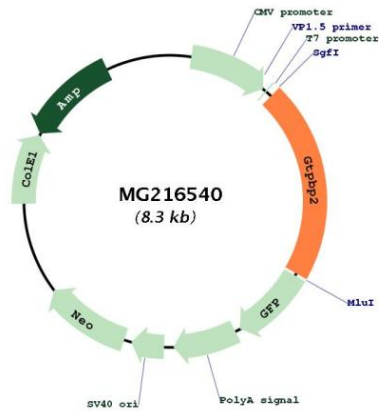
RefSeq ORF: 1809 bp

Locus ID: 56055

UniProt ID: [Q3UJK4](#)

Cytogenetics: 17 C

Product images:



Circular map for MG216540