

## Product datasheet for **MR209120**

### **Gtpbp2 (NM\_001145979) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gtpbp2 (NM_001145979) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtpbp2
Synonyms:	nmf205
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209120 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGTGAAACCTCAAAGCTCGGGGGCCGGCGGTAGCAGCAGTTGCGGGGCCAAAGGGGAAGAAGA  
 AGAACGGAAGGAACAGAGGAGGTAAGCCAACAACCCCTCCGTACCTGCCCCAGAGGCTGAAGATGGAAA  
 CATCGAATATAAACTGAAGCTGGTGAACCCATCTCAGTACCGCTTTGAGCACTTGGTGACACAAATGAAG  
 TGGCGGCTCCAGGAAGGACGTGGTGAAGCTGTCTACCAGATTGGGGTAGAGGACAATGGGCTGCTGGTGG  
 GGCTGGCTGAAGAGGAGATGCGGGCTTCCCTCAAGACCCGCACCGGATGGCAGAGAAGTTGGGGCAGA  
 CATCACTGTTCTTCGGGAGCGAGAGGTGGATTATGACAGTGACGTGCCCGGAAGATCACTGAGGTGCTA  
 GTACGAAAGGTCCTGACAACCAACAGTTCCTAGATCTCCGTGTGGCCGTCTAGGGAATGTGGACTCAG  
 GGAAGTCAACCTTGCTTGGAGTCTGACCAAGGAGAGCTGGACAACGGGCGGGCCGGGCCGGCTCAA  
 CCTTTCCGCCACCTGCATGAGATTGAGTCTGGCCGAACCTCCAGCATCAGCTTTGAGATCTGGGCTTT  
 AACAGCAAGGGAGAGGTGGTGAATTACAGCGACTCACGGACTGCAGAAGAGATCTGTGAGAGCAGCTCCA  
 AGATGATCACCTTCATTGACCTGGCGGGCCACCATAAATACCTGCACACCACCATCTTTGGCCTCACCTC  
 TACTGCCCGACTGTGCCCTGCTCCTCGTCAGTGCCAACACTGGAATCGCCGGCACCACACGGGAACAC  
 CTGGGGCTGGCCTTGGCCCTGAAAGTGCCCTTCTTCATCGTGGTCAAGTAAAGTGGACCTGTGTGCTAAGA  
 CCACAGTGGAGAGGACAGTTCGCCAGCTGGAGCGGGTCTCAAGCAGCCTGGCTGCCACAAGTCCCAT  
 GCTGGTCACTCTGAGGATGATGCTGCTGCTGCTGCCAGCAGTTTGGCCAGTCAACCAATGTACCCTT  
 ATATTTACACTGTCCAGTGTGTCTGGAGAGAGCTGACCTTCTTAAAGTCTTCTGAATATCCTGCCGC  
 CCCTCACCAACAGCAAGGAGCAGGAGGAGCTCATGCAACAGTTGACAGAGTTCCAGGTGGATGAAATCTA  
 CACAGTCCAGAGGTGGGGACTGTGGTTGGAGGAACACTATCCAGTGGGATCTGCCGCGAGGGGGACCAG  
 CTGGTGGTAGGCCCGACAGATGATGGCTGTTTCTTGGAGCTGAGGGTATGCAGCATCCAGCGCAACCGCT  
 CTGCGTGTGCTGTTCTTCGAGCAGGTGAGGCTGCTACACTCGCCCTTGGAGACTTTGACCGTGCATTGCT  
 TCGCAAGGGCATGGTCATGGTGAAGTCCCGAGATGAATCCACCATCTGCTCAGTGTTTGAGGCAGAGATA  
 GTCCTACTGTTCCACGCCACCACCTTTCGGCGGGGATTCCAGGTGACAGTACATGTGGGCAACGTACGTC  
 AAACAGCAGTGGTGGAAAAGATCCACGCAAAAGGACAAGCTGCGGACAGGGGAGAAGGCAGTGGTGCCTT  
 CCGTTTCTGAAACACCCAGAATACCTGAAGGTGGGCGCCAAACTGCTGTTCCGGGAGGGTGTGACCAA  
 GGCATCGGTCATGTCACGGATGTACAAGCCATCACAGCAGGAGAGGCCACCGCCACCATGGGCTT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209120 protein sequence  
 Red=Cloning site Green=Tags(s)

MGNLKGARGAGSSSCGGPKGKKKNGRNRGGKANNPPYLPPEAEDGNIEYKLLVNPSSQYRFEHLVTQMK  
 WRLQEGRGEAVYQIGVEDNGLLVGLAEEEMRASLKLHRMAEKVGADITVLREREDVDSDVPRKITEVL  
 VRKVPDNQQFLDLRVAVLGNVDSGKSTLLGVL TQGELDNGRGRARLNLFRHLHEIQSGRTSSISFEILGF  
 NSKGEVVNYSRSTAEIECESSKMITFIDLAGHHKYLHTTIFGLTSYCPDCALLLVSANTGIAGTTREH  
 LGLALALKVPPFFIVVSKVDLCAKTTVERTVRLERVLKQPGCHKVPMPLVTSDDAVTAAQQFAQSPNVTP  
 IFTLSSVSGESLDLLKVFLNLPPLTNSKEQEELMQQLTEFQVDEIYTVPEVGTVVGGTSSGICREGDQ  
 LVVGPTDDGCFLELRVCSIQNRNSACRVL RAGQAATLALGDFDRALLRKGMVMVSPENPTICSVFEAEI  
 VLLFHATTFRRGFQVTVHGVNVRQTAVVEKIHAKDKLRTGEKAVVRFRLKHPEYLKVGAKLLFREGVTK  
 GIGHVTDVQAITAGEAQTAMGF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_001145979

ORF Size: 1749 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\\_001145979.1](#), [NP\\_001139451.1](#)

RefSeq Size: 2947 bp

RefSeq ORF: 1545 bp

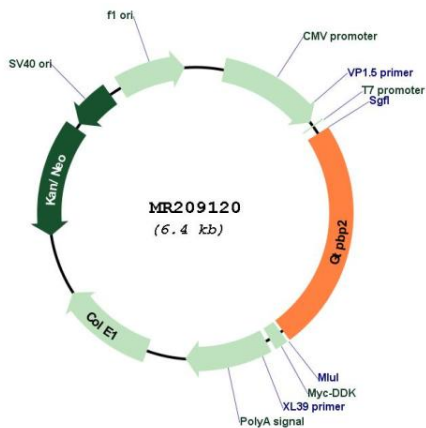
Locus ID: 56055

UniProt ID: [Q3UJK4](#)

Cytogenetics: 17 C

MW: 63.8 kDa

Product images:



Circular map for MR209120