

## Product datasheet for **MR222355**

### **Gbp2b (NM\_010259) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gbp2b (NM_010259) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gbp2b
Synonyms:	Gbp-1; Gbp1; Mag-1; Mpa-1; Mpa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR222355 representing NM\_010259  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTCAGAAATCCACATGAAAGGCCAGTGTGCCTCATCAAGAACTCCGGTGAAGCAGTTGGAGGTCT  
 ACCAGGAAGCACTGGACATCCTGTCTGCTATCCAAAATCCTGTGGTGGTGTAGCAATAGTGGGCTTCTA  
 CCACACAGGCAAATCCTATCTGATGAATAAGCTGGCTGGAAGCAGAAGGGCTTCTCCCTGGGCTCCACT  
 GTGCAGTCTCACAAAAGGGCATCTGGATGTGGTGCATGCCTCATCCCGAGAAGCCAGAACATACCTGG  
 TTCTGCTTGACTGAGGGCCTGAAAGACATGCAGAAGGGTGACAACCAGAATGACTGTTGGATCTTTGC  
 TTTGGCAGTCTCCTCAGCAGCACCTTCATCTACAACAGCATAGGAACCATCAACCAGCAGGCCATGGAC  
 CAGCTGCACTATGTGACAGAAGTACTGATCTCATCAAATCAAAGTCATCACCTGATCAGAGTGTGTAG  
 ACAACTCAGCTAACTTTGTGGGCTTTTTCTATCTTTGTGGACTCTGAGGGATTTCTCCTGGATCT  
 GGAATTTGATGGAGAATCCATCACTCCTGATGAGTACCTGGAGACTTCACTGGCTCTGAGAAAAGGAACT  
 GATGAGAACTAAAAATTTAATATGCCTCGCCTGTGTATCAGGAAGTCTTCCCAAAGAGGAAGTGT  
 TCATCTTTGACAGGCCTGGAGACAGGAAGCAACTTTCCAAACTAGAGTGGATACAGGAGGACCAGCTGAA  
 TAAAGAATTTGTAGAACAAGTTGAGAATTCACCTCATACATCTTCAGCTATTCTGGTGTCAAGACTCTA  
 TCTGGAGGCATCAGTCAATGGGCCACGTCTAAAAGCCTGGTGCAGACCTATGTCAGTGCCATCTGCA  
 GTGGAGAAGTACCTGTATGGAGAAGCAGTCTGACTTTGGCCAGATAGAGAAGTCAAGCAGTGTGCA  
 AAAGGCCATCACCTACTACGAAGAAGCAGATGAATCAGAAGATCCACATGCCACAGAAACCTCCAGGAG  
 CTCCTGGATCTGCACAGGACCTGTGAGAGGGAGGCCATTGAGGTCTTCATGAAGAATTTCTCAAGGATG  
 TAGACAGAAGTCCAGGAAGAATTAGGGGCCAGCTGGAAGCCAAACGAGATGCCTTTGTTAAGAAGAA  
 CATGGACATGTCATCTGCTCATTGCTCAGACTTACTGGAGGCCTCTTTGCTCATCTGGAAGAAGAAGT  
 AAGCAGGGGACATTTTATAAACCAGGAGCTACTACCTTTTTCTCAAAGGAAACAGAGCTGGAGAAAA  
 AGTATATCCAGACTCCTGGAAAGGGACTCCAGGCTGAAGTGTGCTGAGAAAAACTTTGAAATCCAAGGA  
 GGATTTGGCTGATACACTTCTAAAGATGGACCAGTCACTCACAGAAAAGGAAAAGCAGATTGAAATGGAA  
 CGTATAAAGCAGAAGCCGAGAAGCAGCAAATAGAGCATTGGCAGAAATGCAAAAGAAGCATGAGATGC  
 TGATGGAACAGAAGGAACAGAGTTATCAAGAGCACATGAAACAGCTGACTGAGAAGTGGAGCAGGAACG  
 GAAAGAGTTAATGGCAGAGCAACAAGAATCATATCCCTTAAACTTCAGGAACAGGAAAGACTTCTCAAG  
 CAAGGATTCAGAATGAGAGCTTCAACTACGTCAAGAGATAGAGAAAATCAAGAACATGCCTCCACCTC  
 GATCATGCACCATACTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR222355 representing NM\_010259  
 Red=Cloning site Green=Tags(s)

MASEIHMKGPVCLIKNSGEQLEVYQEALDILSAIQNPVVVVAIVGFYHTGKSYLMNKLAKGKQKGFSLGST  
 VQSHTKGIWMCMPHPEKPEHTLVLLDTEGLKDMQKGDNDQWIFALAVLLSSTFIYNSIGTINQQAMD  
 QLHYVTELTDLIKSKSSPDQSDVDNSANFVGFPIFVWTLRDFSLDLEFDGESITPDEYLETSLALRKG  
 DENTKFFNMPRLCIRKFFPKRKCIFDRPGDRKQLSKLEWIQEDQLNKEFVEQVAEFTSYIFSYSVVKTL  
 SGGITVNGPRLKSLVQTYVSAICSGELPCMENAVLTLAQIENSAAVQKAITYYEEQMNQKIHMPETLQE  
 LLDLHRTCEREAIEVFMKNSFKVDVQKFEELGAQLEAKRDAFVKKNMDMSSAHCSDLLEGLFAHLEEEV  
 KQGTFFYKPGGYLFLQRKQELEKKYIQTGKGLQAEVMLRKYFESKEDLADTLLKMDQSLTEKEKQIEME  
 RIKAEAAEAANRALAEMQKHEMLMEQKEQSYQEHMKQLTEKMEQERKELMAEQQRISLKLQEERLLK  
 QGFQNESLQLRQEIIEKIKNMPPRSCITL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9088\\_g12.zip](https://cdn.origene.com/chromatograms/mm9088_g12.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_010259

ORF Size: 1767 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\\_010259.2](#), [NP\\_034389.2](#)

RefSeq Size: 2820 bp

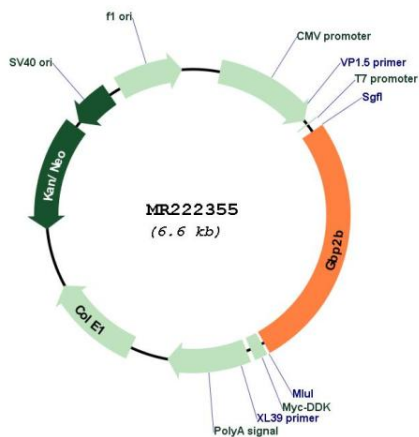
RefSeq ORF: 1770 bp

Locus ID: 14468

Cytogenetics: 3 66.69 cM

MW: 67.8 kDa

**Product images:**



Circular map for MR222355