

Product datasheet for **MG222355**

Gbp2b (NM_010259) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gbp2b (NM_010259) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gbp2b
Synonyms:	Gbp-1; Gbp1; Mag-1; Mpa-1; Mpa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222355 representing NM_010259
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTCAGAAATCCACATGAAAGGCCAGTGTGCCTCATCAAGAACTCCGGTGAGCAGTTGGAGGTCT
 ACCAGGAAGCACTGGACATCCTGTCTGCTATCCAAAATCCTGTGGTGGTGTAGCAATAGTGGGCTTCTA
 CCACACAGGCAAATCCTATCTGATGAATAAGCTGGCTGGAAGCAGAAGGGCTTCTCCCTGGGCTCCACT
 GTGCAGTCTCACAAAAGGGCATCTGGATGTGGTGCATGCCTCATCCCGAGAAGCCAGAACATACCTGG
 TTCTGCTTGACACTGAGGGCCTGAAAGACATGCAGAAGGGTGACAACCAGAATGACTGTTGGATCTTTGC
 TTTGGCAGTCTCCTCAGCAGCACCTTCATCTACAACAGCATAGGAACCATCAACCAGCAGGCCATGGAC
 CAGCTGCACTATGTGACAGAAGTACTGATCTCATCAAATCAAAGTCATCACCTGATCAGAGTGTGTAG
 ACAACTCAGCTAACTTTGTGGGCTTTTTCTATCTTTGTGTGGACTCTGAGGGATTTCTCCTGGATCT
 GGAATTTGATGGAGAATCCATCACTCCTGATGAGTACCTGGAGACTTCACTGGCTCTGAGAAAAGGAACT
 GATGAGAACTAAAAATTTAATATGCCTCGCCTGTGTATCAGGAAGTCTTCCAAAGAGGAAGTGT
 TCATCTTTGACAGGCCTGGAGACAGGAAGCAACTTTCCAAACTAGAGTGGATACAGGAGGACCAGCTGAA
 TAAAGAATTTGTAGAACAAGTTGAGAATTCACCTCATACATCTTCAGCTATTCTGGTGTCAAGACTCTA
 TCTGGAGGCATCACAGTCAATGGGCCACGTCTAAAAGCCTGGTGCAGACCTATGTCAGTGCCATCTGCA
 GTGGAGAAGTACCTGTATGGAGAACGCAGTCTGACTTTGGCCAGATAGAGAAGTCAAGCAGTGCAG
 AAAGGCCATCACCTACTACGAAGAAGCAGATGAATCAGAAGATCCACATGCCACAGAAACCTCCAGGAG
 CTCCTGGATCTGCACAGGACCTGTGAGAGGGAGGCCATTGAGGTCTTCATGAAGAATCTTTCAAGGATG
 TAGACAGAAGTCCAGGAAGAATTAGGGGCCAGCTGGAAGCCAAACGAGATGCCTTTGTTAAGAAGAA
 CATGGACATGTCATCTGCTCATTGCTCAGACTTACTGGAGGCCTCTTTGCTCATCTGGAAGAAGAAGTG
 AAGCAGGGGACATTTTATAAACCAGGAGGCTACTACCTTTTTCTCAAAGGAAACAGAGCTGGAGAAAA
 AGTATATCCAGACTCCTGGAAAGGGACTCCAGGCTGAAGTGTGCTGAGAAAAACTTTGAAATCCAAGGA
 GGATTTGGCTGATACACTTCTAAAGATGGACCAGTCACTCACAGAAAAGGAAAAGCAGATTGAAATGGAA
 CGTATAAAGCAGAAGCCGAGAAGCAGCAAATAGAGCATTGGCAGAAATGCAAAAGAAGCATGAGATGC
 TGATGGAACAGAAGGAACAGAGTTATCAAGAGCACATGAAACAGCTGACTGAGAAGTGGAGCAGGAACG
 GAAAGAGTTAATGGCAGAGCAACAAAGAATCATATCCCTAAACTTCAGGAACAGGAAAGACTTCTCAAG
 CAAGGATTCAGAATGAGAGCTTCAACTACGTCAAGAGATAGAGAAAATCAAGAACATGCCTCCACCTC
 GATCATGCACCATACTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG222355 representing NM_010259
 Red=Cloning site Green=Tags(s)

MASEIHMKGVPVCLIKNSGEQLEVVQEALDILSAIQNPVVVVAIVGFYHTGKSYLMNKLAKGQKGFSLGST
 VQSHTKGIWMCMPHPEKPEHTLVLLDTEGLKDMQKGDNDQDCWIFALAVLLSSTFIYNSIGTINQQAMD
 QLHYVTELTDLIKSSPDQSDVDNSANFVGFPIFVWTLRDFSLDLEFDGESITPDEYLETSLALRKG
 DENTKFFNMPRLCIRKFFPKRKFIFDRPGDRKQLSKLEWIQEDQLNKEFVEQVAEFTSYIFSYSGVKTL
 SGGITVNGPRLKSLVQTYVSAICSGELPCMENAVLTLAQIENSAVQKAITYYEEQMNQKIHMPTEITLQE
 LLDLHRTCEREAIEVFMKNSFKVDVQKFQEELGAQLEAKRDAFVKKNMDMSAHCSDLLLEGLFAHLEEEV
 KQGTFFYKPGGYLFLQRKQELEKYYIQTGKGLQAEVMLRKYFESKEDLADTLLKMDQSLTEKEKQIEME
 RIKAEAAEAANRALAEMQKHEMLMEQKESYQEHMKQLTEKMEQERKELMAEQRIISLKLQEERLLK
 QGFQNESLQLRQEIEKIKNMPPRSCITL

TRTRPLE – GFP Tag – V

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](#)

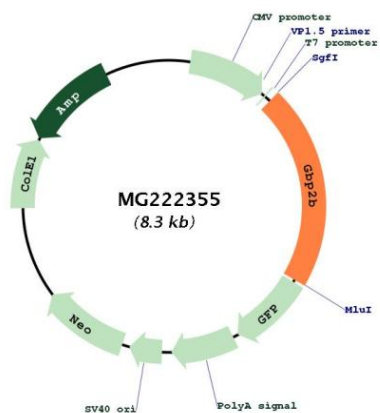
RefSeq Size: 2820 bp

RefSeq ORF: 1770 bp

Locus ID: 14468

Cytogenetics: 3 66.69 cM

Product images:



Circular map for MG222355