

Product datasheet for **MC216965**

Gbp4 (NM_008620) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Gbp4
Synonyms:	AW228052; Mag-2; Mpa-2; Mpa2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC216965 representing NM_008620
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAACACCATCAACCACCAAGCCCTGGAGCAGCTGCATTATGTACAGAACTCACTGAGCTGATCAGAG
 CAAAATCTTCCCAAATCCCATGGAATAAAGAATTCCACAGAGTTTGTGAGTTTCTTCCAGACTTTGT
 CTGGACTGTTCTGGGATTCATGCTGGAGCTGAAGTTAAATGGGGAAGACATCACAAGTGATGAGTACCTG
 GAGAATGCCCTGAAGCTGATCCAGGTAACAATCCAGAAATCCAAGCATCCAATTCCGCCAGGGAATGCA
 TCAGACGTTTCTTCTTAATCGGAAGTGTCTTGTCTTGAATGGCCAACATGACATAGAACTCATAAA
 ACAACTTGAGACTATTTTCAAGACCAATTGGATCCTACGTTTAAAGGAAAGTGAATGGCTTTTGTCTTCT
 TATATCTTCACTTATGCCAAGATCAAGACCCTCAGAGAGGGAATTAAGGTCACTGGGAATGGACTGGGTA
 CTCTGGTGACAACCTACGTGGATGCCATCAACAGTGGAGCAGTGCCTTGTCTGGATGATGCTGTGACAAC
 TCTGGCCAGCGTGAGAACTCAGTAGCTGTGCAGAAGGCAGCCAGCCACTACAGTGAGCAGATGGCCAG
 CGACTGAGCCTTCCACAGACACGATCCAGGAGCTGCTGGATGTACATGCAGCCTGCCGAGAAGGAAGCCA
 TGGCTGTCTTTATGGAGCATTCTTCAAAGACGAAAATCAGCAATTCCTGAAGAAGCTGGTGAATTACT
 ACGTGAGAAGAATGGGCTTTTCTGTTGAAGAATGAAGAGGCATCTGATAAATACTGCCAGGAAGAAGT
 GATCGACTTTCAAAGGATTTGATGGACAATATCTCAACATTTTCTGTTCTGGGGACACAGGCTCTACA
 TGGACATGAGGGAAAAGATTGAACATGACTACTGGCAGGTTCCAGGAAAGGGTGAAGGCAAGTGAAGT
 CTTCCAGAACTTTTGCAGTCACAGGCCATCATCGAGAGTTCCATCTTGCAGGCAGATACAGCCCTCACT
 GCTGGGCAGAAAGCCATTGCAGAGAAGCACACCAAGAAGGAGGCAGCTGAGAAGGAGCAGGATCTGCTAA
 GACAGAAGCAGAAGGAGCATCAGGAGTATATGGAGGCTCAAGAGAAAAGGAACAAGGAAAACCTAGAGCA
 ACTGAGAAGGAAGCTGGAGCAGGAGAGAGAGCAGCTCATCAAGACCATAACATGATGCTGGAGAAGCTA
 ACGAAGGAACAAAAGACTTTCGCTGAGGAAGGATATAAGACACAAGCTGAGGAATTGCGTCGAGAGATCC
 ATCAACTGGGACATAACATCAAGGAAATGAAACAAAATGGTGATTCCCTGTGGAAAGTATTTAAGAAG
 TTGGTTTTTCATTTATTTACCCCTTCAGAGTCAGAAAAGGCTATAAGCAGCGTTTTATCACTCCTTAGG
 AAAAAGGATAGACTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008620

Insert Size: 1488 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_008620.3</u> , <u>NP_032646.2</u>
RefSeq Size:	4475 bp
RefSeq ORF:	1488 bp
Locus ID:	17472
Cytogenetics:	5 50.68 cM