

## Product datasheet for **MC205502**

### **Gbp3 (NM\_018734) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gbp3 (NM_018734) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gbp3
Synonyms:	AW228655; GBP-3; GBP-4; Gbp4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC019195  
 CCACGCGTCCGAGGGAGCATTTCTCTGAAATGGGTGGAGGGAAAGGAGGAGGCCACACTGCTGATTTAG  
 ACTGCAGTCTAAATCCAAGAGGGCAGGGGACCCAGAGCACGCAATGACAATCATTGATTAGTAGTGTTC  
 CTGACGCTGCCGGCGAAATTTCCAGGACATCTCCATTCTGGGGTGGCAGACTCACCTAGTGGGCAAGCC  
 AGTGCAAGCTGCAGACCTCACAGGTCTTGTGGCCATTTGCAGAGCGCCACCTGGCGGGCAAGCGTGCA  
 TGGTTCAGCAGCTCCGAGTGGACCATGGAGCACCCATTTGTCTGGTGGAAAACGGAAAAATCAGCTG  
 ACAGTAAATCTGGAGGCCATAAGGATTCTTGAGCAGATAGCACGCCTCTGGTGGTGGCCATTGTTG  
 GTTTATATCGTACAGGGAATCCTACCTCATGAAATCGTCTTGCAGGACGGAACCATGGCTTCTCCTTGGG  
 CTCCACGGTGCAATCCGAAACCAAGGGTATCTGGATGTGGTGTGTGCCCATCCCACCAAGCCAACACAC  
 ACCCTGGTCTTTTGGACACTGAAGGCCTTGGTGTGTAGAAAAGGGTGACCCTAAGAATGACTCATGGA  
 TCTTCGCCCTGGCTGTGCTTCTGAGCAGCACCTTGTCTACAACAGCATGAGCACCATCAACCAGCAGGC  
 CCTGGAGCAGCTGCATTTTGTGACTGAATTAACACAGCTAATCCGGGCAAAATCGAGCCCCAGAGAGGAC  
 AAAGTGAAGGACTCCAGTGAATTTGTAGTCTTCTCCAGACTTATCTGGGCTGTTGAGATTTTGTCTC  
 TGGAGCTGAAGTAAAAGGTCGGCCATCACAGAAGATGAGTACCTGGAGAATGCCCTGAGGCTGATCCC  
 AGGAGACAATCCCAAAGTCCAACAGTCCAACATGACCAGAGAATGTATCAGATATTTTTTCCGGTACGG  
 AAGTGCTTTGTCTTTGACAGGCCACAAGCGACAACGTTTATTGCTCCAAATGAAAATGTTCCAGAAA  
 ACCAACTGGAACGGAATTTCCAGTTGAATCAGAAAAATCTGTTCTACATCTTCACCAACGGCAAGAC  
 CAAGACTCTGAGAGGGGGAGTCATTGTACAGGAAATCGGCTGGGGACTTTGGTGCAGACCTATGTGAAT  
 GCCATCAACAGTGGGACTGTGCCTTGTCTGGAGAACGCAGTGACAACCTGGCCAGCGTGAGAATCCA  
 TAGCTGTGCAGAAAGCAGCTGACCACTACAGTGAAGCAGATGGCCAGCGAGTGAGGCTCCCCACAGACAC  
 GCTCCAGGAGCTGCTGACTGTGCATGCAGCCTGTGAGAAGGAAGCCATTGCTGTCTTATGGAGCACTCC  
 TTCAAGGATGATGAGCAGGAGTTCAGAAAGCTGGTGGTACCATAGAGGAAAGGAAGGAAGATTCA  
 TGCGACAGAACGAAGCAGCATCTATTCGTCACTGCCAGGCTGAACTGGAGAGGCTTTCAGAGTCCCTGTG  
 GAAGAGCATCTCCTGTGGAGCTTCTCTGTTCTGGGGTCCAGCCTCTACTTAGAAGCCAGGAAGAAG  
 ATTGAGCTGGGCTACCAGCAAGTGCCGAGGAAGGAGTGAAGGCAAAAGAGGTTCTCAAGAGTTTCTAC  
 AGTCACAGGCTGTTATGGAGGACTCTATCTTGCAGTCAAGCAAGCTCTTACAGATGGAGAGAGGCCAT  
 AGCAGCTGAGCGGACAAAGAAGGAGTGGCTGAGAAAGAACTAGAGCTGCTGAGGAGAGACAGAAGGAG  
 CAAGAGCAAGTGTGGAGGCTCAGGAGAGAAGCTTCCGAGAAAACATTGCTAAATTCAGGAGAAGATGG  
 AGAGCGAAAAGGAGATGCTGCTGAGGGAGCAGGAGAAGATGCTGGAGCACAAGCTGAAGTCCAAGAAGA  
 ACTGCTTACTGAAGGATTCAGAGAGAAATCTGATATGTTAAAGAATGAAATAAGTCACTGAGAGAAGAG  
 ATGGAAAACAAGAAGGAAACCCTCACGTTTGGTCAAATCCTTGATACCGTTGGCAATGCGTTTCTTA  
 TGATTTTACCAGGAGCTGGTAAACTATTTGGTGTGGGGCTGAAATTCCTCGGCTACTAAGTAATTAGTG  
 TAAAGAGTTTCTGGGAAGGAATTTATAAAATCCAGGCTTCTATTATTTTGATACCAAATTTCTGCTCTG  
 ATTTTAAATACACATAATAACCACTGTTACAAAGAAGGTGAGAACTTCCATTAATAGCTAAATGTGAG  
 ATACTGCTTCTCGGAGTCTAATTTCTGTGTGAGTTCATTACCTATTATTTAAGGTTAAAGATACAAAC  
 CAATGATTGAAGAATAAAGGCTGTCATCCATAAAATCCTGTCAAATTTTCAGTGACATAATCTAAATAA  
 TAAAGAGGGAGGCCAGTCAGAATATAGTGAATTTTCTAGAAAAGATGAAGTAAATCAACAGAAAAC  
 ATGGCCAAATGAAGACACATTGGCATATGTATCCAGTTGTACTACAGATAAATGTTAAAAAGAGCT  
 CTTGTTAAAACGTACAAGTGGTTTTTCATAGGAGAATGTATGAGGAAAATGTCTGATTGATAATAAAGG  
 AGTGCAGATTAATAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_018734  
**Insert Size:** 1863 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC019195</a></u> , <u><a href="#">AAH19195</a></u>
<b>RefSeq Size:</b>	2690 bp
<b>RefSeq ORF:</b>	1863 bp
<b>Locus ID:</b>	55932
<b>UniProt ID:</b>	<u><a href="#">Q61107</a></u>
<b>Cytogenetics:</b>	3 H1
<b>Gene Summary:</b>	Binds GTP, GDP and GMP. Hydrolyzes GTP very efficiently; GDP rather than GMP is the major reaction product. Plays a role in erythroid differentiation.[UniProtKB/Swiss-Prot Function]