

Product datasheet for **MC228497**

Gbp3 (NM_001289492) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gbp3 (NM_001289492) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gbp3
Synonyms:	AW228655; GBP-3; GBP-4; Gbp4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228497 representing NM_001289492
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCACCCATTTGTCTGGTGGAAAATTTGGAAAAATCAGCTGACAGTAAATCTGGAAGCCATAAGGA
 TTCTTGAGCAGATAGCACAGCCTCTGGTGGTGGTGGCCATTGTTGGTTTATATCGTACAGGGAAGTCCTA
 CCTCATGAATCGTCTTGCAAGACGGAACCATGGCTTCTCCTTGGGCTCCACAGTGAATCCGAAACCAAG
 GGTATCTGGATGTGGTGTGTGCCCATCCACCAAGCCAACACACACCCTGGTCCTTTGGACACTGAAG
 GCCTTGGTGTAGAAAAGGTGACCCTAAGAATGACTCGTGGATCTTCGCCCTGGCTGTGCTTCTGAG
 CAGCACCTTTGTCTACAACAGCATGAGCACCATCAACCAGCAGGCCCTGGAGCAGCTGCATTTTGTGACT
 GAATTAACACAGTAATCCGGGCAAAATCGAGCCCAGAGAGGACAAAGTGAAGGACTCCAGTGAGTTT
 TAGGTTTCTTCCAGACTTATCTGGGCTGTTGAGATTTTCTGCTGGAGCTGAAGTTAAATGGTCGGCC
 CATCACAGAAGATGAGTACCTGGAGAATGCCCTGAAGCTGATCCAAGGAGACAATCTCAAAGTCCAACAG
 TCCAACATGACCAGAGAAATGTATCAGATATTTTTTCCGGTACGGAAGTCTTTGTCTTTGACAGGCCCA
 CAAGCGACAAACGTTTATTGCTCCAAATTTGAAAATGTTCCAGAAAACCAACTGGAACGGAATTTCCAGT
 TGAATCAGAAAAATCTGTTCTACATCTTACCAACGGCAAGACCAAGACTCTGAGAGGGGGAGTCATT
 GTCACAGGAAATCGGCTGGGACTTTGGTGCAGACCTATGTGAATGCCATCAACAGTGGGACTGTGCCTT
 GTCTGGAGAACGCAGTGACAACCTGGCCAGCGTGAGAACTCCATAGCTGTGCAGAAGGCAGCTGACCA
 CTACAGTGAGCAGATGGCCAGCGAATGAGGCTCCCCACAGACACGCTCCAGGAGCTGTGACTGTGCAT
 GCAGCCTGTGAGAAGGAAGCCATTGCTGTCTTCATGGAGCACTCCTTCAAGGATGATGAGCAGGAGTCC
 AGAAGAAGCTGGTGGTCACCATAGAGGAAAGGAAGAGTTTCATACGACAGAACAAGCAGCATCTAT
 TGCTCACTGCCAGGCTGAACTGGAGAGGCTTTCAGAGTCCCTGAGGAAGAGCATCTCCTGTGGAGCTTTC
 TCTGTTCTGGGGTACAGCCTCTACTTAGAAGCCAGGAAGAAGATTGAGCTGGGCTACCAGCAAGTGC
 TGAGGAAGGGAGTGAAGGCAAAAGAGTTCTCAAGAGTTTCTACAGTCACAGGCTATTATGGAGGACTC
 TATCTTGCACTCAGACAAAGCTTACAGATGGAGAGAGGCCATAGCAGCTGAGCGGACAAAGAAGGAA
 GTGGCTGAGAAGGAACTAGAGCTGTGAGGCAGAGACAGAAGGAGCAAGAGCAAGTATGGAGGCTCAGG
 AGAGAAGCTTCCGAGAAAACATTGCTAACTTCAGGAGAAGATGGAGAGCGAAAAGGAGATGCTGCTGAG
 GGAGCAGGAGAAGATGCTGGAGCACAAGCTGAAGGTCCAAGAAGAACTGCTTATTGAAGGATTGAGAG
 AAATCTGATATGTTAAAGAAATGAAATAAGTCACCTGAGAGAAGAGATGGAAGAACAAGAAGGAAACCT
 CACTGTTTGGTCAAATCCTTGACACCATTGGCAATGCGTTCAATTATGATTTTACCAGGAGCTGGTAACT
 ATTTGGTGTGGGCTGAAATTCCTCGGCTCACTAAGTAGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289492
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001289492.1](#), [NP_001276421.1](#)

RefSeq Size: 2777 bp

RefSeq ORF: 1863 bp

Locus ID: 55932

UniProt ID: [Q61107](#)

Cytogenetics: 3 H1

Gene Summary: 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]