OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC228498

Gbp3 (NM_001289493) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gbp3 (NM_001289493) 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:

>MC228498 representing NM_001289493
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCACCCATTTGTCTGGTGGAAAATTGGAAAAATCAGCTGACAGTAAATCTGGAAGCCATAAGGA
TTCTTGAGCAGATAGCACAGCCTCTGGTGGTGGTGGCCATTGTTGGTTTATATCGTACAGGGAAGTCCTA
CCTCATGAATCGTCTTGCAGGACGGAACCATGGCTTCTCCTTGGGCTCCACAGTGCAATCCGAAACCAAG
GGTATCTGGATGTGGTGTGTGCCCCATCCCACCAAGCCAACACACACCCTGGTCCTTTTGGACACTGAAG
GCCTTGGTGATGTAGAAAAGGGTGACCCTAAGAATGACTCGTGGATCTTCGCCCTGGCTGTGCTTCTGAG
CAGCACCTTTGTCTACAACAGCATGAGCACCATCAACCAGCAGGCCCTGGAGCAGCTGCATTTTGTGACT
GAATTAACACAGCTAATCCGGGCAAAATCGAGCCCCAGAGAGGACAAAGTGAAGGACTCCAGTGAGTTTG
TAGGTTTCTTCCCAGACTTTATCTGGGCTGTTCGAGATTTTGCTCTGGAGCTGAAGTTAAATGGTCGGCC
CATCACAGAAGATGAGTACCTGGAGAATGCCCTGAAGCTGATCCAAGGAGACAATCTCAAAGTCCAACAG
TCCAACATGACCAGAGAATGTATCAGATATTTTTTTCCGGTACGGAAGTGCTTTGTCTTTGACAGGCCCA
CAAGCGACAAACGTTTATTGCTCCAAATTGAAAATGTTCCAGAAAACCAACTGGAACGGAATTTCCAGGT
TGAATCAGAAAAATTCTGTTCCTACATCTTCACCAACGGCAAGACCAAGACTCTGAGAGGGGGAGTCATT
GTCACAGGAAATCGGCTGGGGACTTTGGTGCAGACCTATGTGAATGCCATCAACAGTGGGACTGTGCCTT
GTCTGGAGAACGCAGTGACAACCCTGGCCCAGCGTGAGAACTCCATAGCTGTGCAGAAGGCAGCTGACCA
CTACAGTGAGCAGATGGCCCAGCGAATGAGGCTCCCCACAGACACGCTCCAGGAGCTGCTGACTGTGCAT
GCAGCCTGTGAGAAGGAAGCCATTGCTGTCTTCATGGAGCACTCCTTCAAGGATGATGAGCAGGAGTTCC
AGAAGAAGCTGGTGGTCACCATAGAGGAAAGGAAGGAAGAGTTCATACGACAGAACGAAGCAGCATCTAT
TCGTCACTGCCAGGCTGAACTGGAGAGGCTTTCAGAGTCCCTGAGGAAGAGCATCTCCTGTGGAGCTTTC
TCTGTTCCTGGGGGTCACAGCCTCTACTTAGAAGCCAGGAAGAAGATTGAGCTGGGCTACCAGCAAGTGC
TGAGGAAGGGAGTGAAGGCAAAAGAGGTTCTCAAGAGTTTCCTACAGTCACAGGCTATTATGGAGGACTC
TATCTTGCAGTCAGACAAAGCTCTTACAGATGGAGAGAGAGCCATAGCAGCTGAGCGGACAAAGAAGGAA
GTGGCTGAGAAGGAACTAGAGCTGCTGAGGCAGAGACAGAAGGAGCAAGAGCAAGTGATGGAGGCTCAGG
AGAGAAGCTTCCGAGAAAACATTGCTAAACTTCAGGAGAAGATGGAGAGCGAAAAGGAGATGCTGCTGAG
GGAGCAGGAGAAGATGCTGGAGCACAAGCTGAAGGTCCAAGAAGAACTGCTTATTGAAGGATTCAGAGAG
AAATCTGATATGTTAAAGAATGAAATAAGTCACCTGAGAGAAGAGATGGAAAGAACAAGAAGGAAACCCT
CACTGTTTGGTCAAATCCTTGACACCATTGGCAATGCGTTCATTATGATTTTACCAGGAGCTGGTAAACT
ATTTGGTGTGGGGCTGAAATTCCTCGGCTCACTAAGTAGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001289493

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_001289493.1, NP_001276422.1
RefSeq Size:	2602 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]