

Product datasheet for **MG204229**

Gpbp1 (BC016083) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpbp1 (BC016083) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gpbp1
Synonyms:	mGPBP, Gpbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204229 representing BC016083 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGTCATTAAGAAAGGTAATACAAAAGACTTACAGCTATCTGGATCCCAGTAGCAGGAAACCTCC
AGTCACAGCCAGTTAAGAATGGAAGTGGTCCAAGTGTATAAAGGCTTAGTCCCAAACCTGCTGTTCC
ACCTACAAAACCTACACAATGGAAAAGCCAACTAAAGAAAACAAAGTCGGGACTTCTTTTCTCATGAA
TCTACATATGGTGTGGCAACTTAATACTTTAAGTCAACGGCCAAGAATATTAGTCCATCAACAATT
CAGTGAAAGAGTGAATCGTTCAAATTTCTTTCGCCTGTTGACAACTTAATCAGCAGCCTCGTTAAC
TAAACTGACACGAATGCGCAGCGATAAAAAGAGTGAATTTTTGAAAGCATTGAAAAGGGACAGAGTGGAG
GAGGAACATGAAGATGAAAGTCATGCTGGCTCAGAGAAGGACGACGACTCATTTAATTTGCATAACAGCA
ATACTACTACCAAGAAAGAGATATAAACAGAACTTTGATGAAAATGAAATCCACAGGAGAACGGCAA
TGCCCTCGATGATTTCTCAACAGATCATTCTTTCGACTTTCCACAACTGATGTTCTTTCCAGTTCA
CTAGAGGCAGAACACAGATTATTAAGAAAATGGGCTGGCAGGAAGACAGTAAAATGATGAAACATGTG
CTCCCTTAACTGAGGATGAAATGAGAGAATCCAAGTTATTAGTGAACAGTTACAGAAGAATGGTCTGAG
AAAAATGGTATTTTAAAAATGGCCTGATCTGTGACTTCAAGTTGGACCCTGGAAAAACAGCACTTTC
AAACCCACAATTGAGAATGATGACACAGAGACAAGTAGCAGCGACACGTCCGATGATGACGATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204229 representing BC016083
 Red=Cloning site Green=Tags(s)

MLVIKKGNTKDLQLSGFPVAGNLQSQPVKNGTGPSVYKGLVPKPAVPPTKPTQWKSQTENKVKGTSFSHE
 STYGVGNFNTFKSTAKNISPTNSVKECNRSNSSSPVDKLNQQPRLTKL TRMRSDKKSEFLKALKRDRVE
 EEHEDESHAGSEKDDDSFNLHNSNTTHQERDINRNFENEIPQENGNASMISQQIIRSSTFPQTDVLS
 LEAEHRLKEMGWQEDSENDETCAPL TEDEMREFQVISEQLQKNGLRKNGILKNGLICDFKFGPWKNSTF
 KPTIENDDTETSSSDTSDDDDV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC016083

ORF Size: 908 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: [BC016083](#), [AAH16083](#)

RefSeq Size: 1960 bp

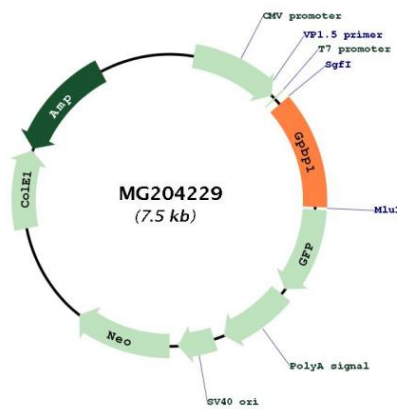
RefSeq ORF: 908 bp

Locus ID: 73274

Cytogenetics: 13 D2.2

Gene Summary: Functions as a GC-rich promoter-specific transactivating transcription factor. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204229