

Product datasheet for **MG207580**

Gpbp1 (BC094888) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpbp1 (BC094888) 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)



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ORF Nucleotide Sequence:

>MG207580 representing BC094888
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCAGCATGACTTTGCTCCAGCCTGGCTTAATTTTCTACTCCTCCATCATCAACAAAGTCATCAT
 TGAATTTTGAGAAGCACTCTGAAAATTTTTCATGGACAGAAAATCGTTATGATGTGAGTCGTCGACGACA
 CAATTCCTCAGATGGCTTTGATTCTGGTATTGGACGTCCTAATGGAGGTAATTTTGGGAGGAAAGAGAAA
 AATGGATGGCGTACGCATGGCAGAAATGGTACAGAAAACATAAATCATCGTGGGGGATACCATGGTGAA
 ATTCCCGTTCTCGTAGCAGTATTTTCCATTCTGGAAAAAGCCAAGGACTACATGAAAACAGCATCCCTGA
 CAATGAACTGGGAGGAAAGAAGACAAAAGAGAACGCAGACAGTTTGGGCTGAGGATTTTCCATCTTTA
 AATCCTGAATATGAGAGAGAACCAATCAGAATAAATCTTAGCTGCGGGTGTGGGACTATCCCCGA
 ATCCTAAATCTAGAACTCCAAGAATGCTGGTCATTAAGAAAGGTAATACAAAAGACTTACAGCTATCTGG
 ATTCCCGTAGCAGGAAACCTCCAGTCACAGCCAGTTAAGAATGGAAGTGGTCCAAGTGTATAAAGGC
 TTAGTCCCCAAACCTGCTGTTCCACCTACAAAACCTACACAATGGAAAAGCCAACTAAAGAAAACAAAG
 TCGGGACTTCTTTTCTCATGAATCTACATATGGTGTGGCAACTTTAATACTTTAAGTCAACGCCAA
 GAATATTAGTCCATCAACAAATTCAGTGAAAGAGTGTAATCGTTCAAATCTTCTTCGCCTGTTGACAAA
 CTTAATCAGCAGCCTCGTTTAACTAACTGACACGAATGCGCAGCGATAAAAAGAGTGAATTTTGAAAG
 CATTGAAAAGGGACAGAGTGGAGGAGGAACATGAAGATGAAAGTCATGCTGGCTCAGAGAAGGACGACGA
 CTCATTTAATTTGCATAACAGCAATACTACTCACCAAGAAAGAGATATAAACAGAACTTTGATGAAAT
 GAAATTCACAGGAGAACGGCAATGCCTCGATGATTTCTCAACAGATCATTGTTCTTCGACTTTTCCAC
 AAATGATGTTCTTTCCAGTTCCTAGAGGCAGAACACAGATTATTAAGAAATGGGCTGGCAGGAAGA
 CAGTGAAAATGATGAAACATGTGCTCCCTTAACTGAGGATGAAATGAGAGAATTCCAAGTTATTAGTGAA
 CAGTTACAGAAGATGGTCTGAGAAAAATGGTATTTGAAAAATGGCCTGATCTGTGACTTCAAGTTTG
 GACCCTGGAAAAACAGCACTTTCAAACCCACAATTGAGAATGATGACACAGAGACAAGTAGCAGCGACAC
 GTCGGATGATGACGATGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

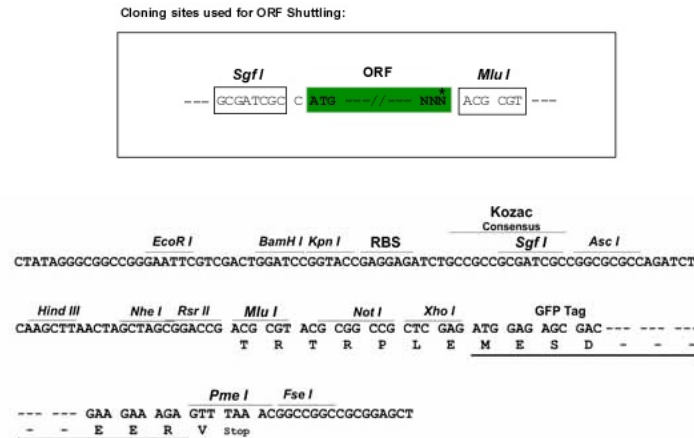
>MG207580 representing BC094888
 Red=Cloning site Green=Tags(s)

MAQHDFAPAWLNFPSTKSSLNFEKHSENFSWTENRYDVSRRRHNSDGFDSGIGRPNGGNFGRKEK
 NGWRTHGRNGTENINHRGGYHGGNSRSRSSFHSGKSQGLHENSIPDNETGRKEDKRERQFEADFPSL
 NPEYEREPNQKSLAAGVWDYPPNPKSRTPRMLVIKKGNTKDLQLSGFPVAGNLQSOPVKNGTGPSVYKG
 LVPKPAVPPTKPTQWKSQTKENKVGTSFSHESTYGVGNFNTFKSTAKNISPTNSVKECNRSNSSSPVDK
 LNQQPRLTKLTRMRSDKKSEFLKALKRDRVEEHEDESHAGSEKDDDSFNLHNSNTTHQERDINRNFEN
 EIPQENGNASMISQQIIRSSTFPQTDVLSLSLEAEHRLKEMGWQEDSENDETCAPLTEDEMREFQVISE
 QLQKNGLRKNGLKNGLICDFKGPWKNSTFKPTIENDDETSSSDTSDDDDV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC094888

ORF Size: 1419 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC094888](#), [AAH94888](#)

RefSeq Size: 2895 bp

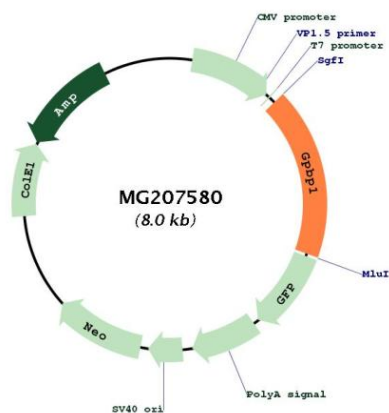
RefSeq ORF: 1421 bp

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 MG207580