

Product datasheet for **MR207554**

Gpbp1 (BC067075) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpbp1 (BC067075) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpbp1
Synonyms:	mGPBP, Gpbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207554 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAGCATGACTTTGCTCCAGCCTGGCTTAATTTCTACTCCTCCATCATCAACAAAGTCATCAT
 TGAATTTTGAGAAGCACTCTGAAAATTTTTCATGGACAGAAAATCGTTATGATGTGAGTCGTCGACGACA
 CAATTCCTCAGATGGCTTTGATTCTGGATTGGACGTCCTAATGGAGGAATTTTGGGAGAAAAGAGAAA
 AATGGATGGCGTACGCATGGCAGAAATGGTACAGAAAACATAAATCATCGTGGGGATACCATGGTGGAA
 ATTCCCGTTCTCGTAGCAGTATTTCCATTCTGGAAAAAGCCAAGGACTACATGAAAACAGCATCCCTGA
 CAATGAACTGGGAGGAAAGAAGACAAAAGAGAACGCAGACAGTTTGGGCTGAGGATTTCCATCTTTA
 AATCCTGAATATGAGAGAGAACCAATCAGAATAAATCTTTAGCTGCGGGTGTGGGACTATCCCCGA
 ATCCTAAATCTAGAACTCAAGAATGCTGGTCATTAAGAAAGGTAATAAAAAGACTTACAGCTATCTGG
 ATTCCAGTAGCAGGAACTCCAGTACAGCCAGTTAAGAATGGAAGTGTCCAAGTGTATAAAGGC
 TTAGTCCCCAACTGCTGTTCCACCTACAAAACCTACACAATGAAAAGCCAACTAAAGAAAACAAAG
 TCGGGACTTCTTTTCTCATGAATCTACATATGGTGTGGCAACTTTAATACTTTAAGTCAACGGCCAA
 GAATATTAGTCCATCAACAAATTCAGTGAAGAGTGAATCGTTCAAATCTTCTTCGCCTGTTGACAAA
 CTTAATCAGCAGCCTCGTTAACTAACTGACACGAATGCGCAGCGATAAAAAGAGTGAATTTTGAAAAG
 CATTGAAAAGGGCAGAGTGGAGGAGGAACATGAAGATGAAAGTCATGCTGGCTCAGAGAAGGACGACGA
 CTCATTTAATTTGCATAACAGCAATACTACTCACCAAGAAAGAGATATAAACAGAACTTTGATGAAAAT
 GAAATTCACAGGAGAACGGCAATGCCTCGATGATTTCTCAACAGATCATTGTTCTTCGACTTTTCCAC
 AAATGATGTTCTTTCCAGTTCAGTAGAGGCAGAACACAGATTATAAAAAGAAATGGGCTGGCAGGAGA
 CAGTGAAAATGATGAAACATGTGCTCCCTTAAGTGAAGGATGAAAATGAGAGAATTCCAAGTTATTAGTGAA
 CAGTTACAGAAGAATGGTCTGAGAAAAAATGGTATTTTAAAAAATGGCCTGATCTGTGACTTCAAGTTTG
 GACCCTGGAAAAACAGCACTTTCAAACCCACAATTGAGAATGATGACACAGAGACAAGTAGCAGCGACAC
 GTCGGATGATGACGATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207554 protein sequence
 Red=Cloning site Green=Tags(s)

MAQHDFAPAWLNFPPTSSKSSLNFEKHSENFSWTENRYDVSRRRHNSSDGFDSDGIGRPNNGNFRKEK
 NGWRTHGRNGTENINHRGGYHGGNSRSRSSIFHSGKSQGLHENSIPDNETGRKEDKRERRQFEAEDFPSL
 NPEYEREPNQKSLAAGVWDYPPNPKSRTPRMLVIKKGNTKDLQLSGFPPVAGNLQSQPVKNGTGPSVYK
 LVPKPAVPPTKPTQWKSQTKENKVGTSFSHESTYGVGNFNTFKSTAKNISPTNSVKECNRSNSSSPVDK
 LNQQPRLTKLTRMRSDKKSEFLKALKRDRVEEHEDESHAGSEKDDDSFNLHNSNTTHQERDINRNF DEN
 EIPQENGNASMISQQIIRSSTFPQTDVLSLSLEAEHRLKEMGWQEDSENDETCAPLTEDEMREFQVISE
 QLQKNGLRKNGLKNGLICDFKFGPWKNSTFKPTIENDDETSSSDTSDDDDV

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC067075

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.

RefSeq: [BC067075.1](#)

RefSeq Size: 2880 bp

RefSeq ORF: 1421 bp

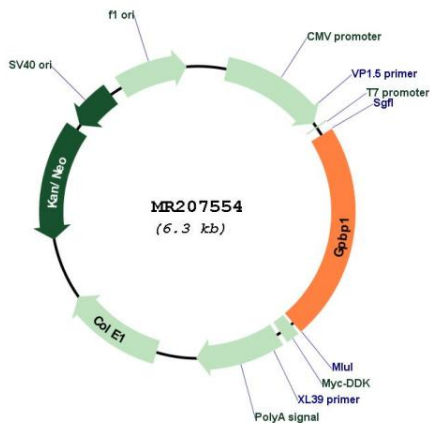
Locus ID: 73274

Cytogenetics: 13 D2.2

MW: 53.4 kDa

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

Product images:



Circular map for MR207554