

Product datasheet for **MG217380**

Fubp1 (NM_057172) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fubp1 (NM_057172) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fubp1
Synonyms:	9530027K12Rik; D3Ertd330e; FBP; Fubp; Fubp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG217380 representing NM_057172
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGACTACTCCACAGTGCCTCCGCCGTCGTCTGGCTCGGCTGGCGCGCGCGCGCGGAGTCGTTA
 ACGACGCTTTCAAAGATGCCCTGCAGAGAGCGCGCAGATTGCAGCAAAAATTGGGGGTGATGCTGGTAC
 ATCATTGAATTCAAATGACTATGGTTATGGGGGACAAAAAGACCCTTAGAAGATGGAGATCAGCCAGAT
 GCTAAGAAAGTACCTCCCCAAAATGACTCTTTGGAGCACAGTTACCTCCAATGCATCAGCAGCAAAGAT
 CTGTAATGACAGAAGAATACAAAGTCCCAGATGGGATGGTCGGATTTATAATTGGCAGAGGAGGTGAACA
 GATCTCACGAATACAGCAGGAATCTGGATGCAAGATACAGATAGCACCTGATAGTGGTGGCTACCAGAA
 AGGTCTTGATGCTAACTGGAACACCTGAATCTGTCCAATCAGCAAAAAGATTATTGGACCAGATTGTTG
 AAAAGGGAAGACCAGCCCTGGCTTTCATCATGGTGATGGACCTGAAAATGCAGTTCAGGAAATCATGAT
 TCCAGCCAGCAAAGCAGGACTAGTTATTGGAAAGGGGGCGAGACTATTAACAACCTTCAGGAACGGGCT
 GGTGTTAAAATGGTAATGATTCAAGATGGGCCTCAAACACTGGTGCTGATAAACCTCTTAGGATTACGG
 GTGACCCATACAAAGTTCAGCAAGCCAAGGAAATGGTATTAGAGTTAATTCGTGATCAAGGTGGTTTCAG
 AGAAGTGC CGAATGAGTATGGCTCAAGAATAGGAGGCAATGAAGGGATAGATGTCCCAATCCAAGATTT
 GCTGTTGGCATTGTAATAGGAAGAAATGGAGAAATGATTAATAAATAACAAAATGATGCTGGTGTTCGAA
 TTCAGTTTAAGCCAGATGATGGAACAACACCTGATAGGATAGCACAGATAACAGGACCTCCAGACAGGTG
 TCAGCACGCTGCAGAAAATACACAGACCTTCTACGAAGTGTTCAGGCTGGCAATCCTGGTGGACCGGGA
 CCTGGTGGTCGAGGACGAGGTAGAGGTCAAGGAACTGGAATATGGGGCCCCGGGTGGACTCCAGGAGT
 TTAATTTCAATTGTCCAACCTGGGAAAACCTGGACTGATCATTGGAAAAGGAGGTGAAACCATAAAAAGCAT
 AAGCCAACAGTCTGGTGCAAGAATAGAAGTGCAGAGAAGCCCTCCACCTAATGCAGATCCCAATATGAAG
 TTATTTACAATTCGGGGCACTCCACAGCAATAGACTATGCTCGACAACCTCATAGAAAGAGAAGATTGGGG
 GCCCAGTAAATCCTTTAGGGCCACCTGTACCCCATGGGCCCATGGGGTTCAGGTCTCATGGGCTCC
 TGGACCTCCAGGGCCGGGAACTCCAATGGGACCATACAACCTGCACCTTACAATCCAGGACCACCTGGC
 CCAGCTCCTCACGGTCTCCAGCCCATATGCTCCCAGGGATGGGAAATGCGTATCCACATTGGCAGC
 AACAGGCTCCTCCTGACCAGCCAAGGCAGGAGCAGATCCAACTCGGCAGCTTGGGCTGCTTATTATGC
 TCACTATTACCAGCAGCAGGCACAACCCACCTGCAGCTCCTGCCGGTGCACCAGTACAACCCAAACG
 AACGGACAAGGTAACACGGAGATCAGCAGGCTCCAGCTCCAGCTGGACAGGTTGATTATACAAAGGCTT
 GGGAAAGAATACTACAAGAAAATGGGTCAAGCAGTTCCTGCTCCTGCTGGGGCCCCACCAGTGGTACGCC
 GGATTATAGTGCAGCCTGGGCTGAGTACTATAGACAGCAAGCAGCGTATTATGCCCAGACAAGTCCCCAG
 GGGATGCCCGCAGCATCTCCAGCACCTCAGGGCCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217380 representing NM_057172
 Red=Cloning site Green=Tags(s)

MADYSTVPPSSGSAGGGGGVVNDAFKDALQRRARQIAAKIGGDAGTSLNSNDYGYGGQKRPLEDGDQPD
 AKKVPPQNSFQAQLPPMHQQRSVMTEEYKVPDGMVGFIIIGRGGEQISRIQQESGCKIQIAPDSGGLPE
 RSCMLTGTPESVQSARLLDQIVEKGRPAPGFHHGDGPGNAVQEIMIPASKAGLVIGKGGETIKQLQERA
 GVKMVMIQDGPQNTGADKPLRITGDPYKVVQAKEMVLELIRDQGGFREVRNEYGSRIGGNEGIDVPIPRF
 AVGIVIGRNGEMIKKIQNDAGVRIQFKPDDGTTDPDRIAQITGPPDRCQHAAEIIITDLLRSVQAGNPGGPG
 PGGRRGRGQGNWNMPPGGLQEFNFIVPTGKTGLIIGKGGETIKSISQSSGARIELQRSPPNADPNMK
 LFTIRGTPQQIDYARQLIEEKIGGPVNPLGPPVPHGPHGVPHGPPGPPGTPMGPYNPAPYNGPPG
 PAPHGPPAPYAPQGWGNAYPHWQQAPPDPAKAGADPNAAWAAAYAHYYQQQAQPPAAPAGAPATTQT
 NGQGNYGQQAPAPAGQVDYTKAWEEYKMGQAVPAPAGAPGGQPDYSAAWAEYRQQAAYYAQTSPQ
 GMPQHPPAPQGG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_057172

ORF Size: 1926 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: [NM_057172.4](#)

RefSeq Size: 6491 bp

RefSeq ORF: 1929 bp

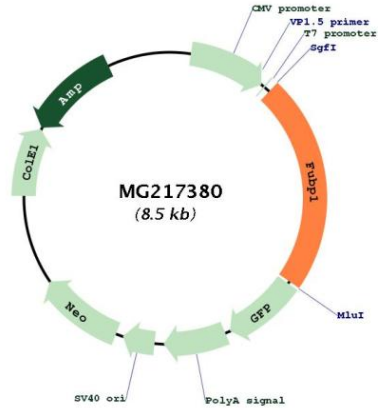
Locus ID: 51886

Cytogenetics: 3 77.05 cM

Gene Summary:

Regulates MYC expression by binding to a single-stranded far-upstream element (FUSE) upstream of the MYC promoter. May act both as activator and repressor of transcription (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217380