

Product datasheet for **MG208066**

Tfcp2 (NM_033476) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfcp2 (NM_033476) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tfcp2
Synonyms:	CP-2; CP2; D230015P20Rik; LBP-1c; LBP-1d; LBP1; LSF; Tcfcp2; UBP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208066 representing NM_033476
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTGGGCTCTGAAGCTGCCGTAGCCGACGAAGTATCGAGTCGGGGCTTGTGCAGGACTTTGATG
 CTAGCCTGTCGGCATTGGCCAGGAACTGGGTGCTGGTGCTTATAGTATGAGTGATGTCCTCGCATTGCC
 CATTTTTAAGCAAGAAGAGTCAAGTTTGCTCCCGATAATGAGAACGAGATTCTGCCTTTTCAGTATGTG
 CTCTGTGCTGCCACGTCTCCAGCGGTGAAGCTCCACGACGAGACCCTGACGTACCTCAATCAAGGACAGT
 CTTATGAAATCCGAATGCTAGACAATAGAAAATGGGAGAGCTTCCAGAACTCAACGGCAAGCTGGTGAA
 GAGCATATTCGCGTAGTGTCCACGACAGGCGACTGCAGTACACTGAGCACCAGCAGCTGGAGGGCTGG
 AGGTGGAACCGACCGGGAGACAGGATTCTCGACATAGATATCCCAATGTCTGTGGGTGTAATTGATCCCA
 GGGCCAATCCTACCCAGCTAAACACAGTGGAGTTCCTGTGGGACCCTTCAAAGAGGACATCTGTGTTTAT
 TCAGGTGCACTGCATCAGCACTGAGTTCACCATGAGGAAGCATGGCGGGGAGAAGGGGTGCCGTTCCGA
 GTGCAGATCGATACCTTCAAGGAGAACGGGAACGGAGAGTACACAGAGCACTTGCCTCGGCCAGCTGCC
 AGATCAAAGTCTTCAAGCCTAAGGGTGCAGACAGAAAAACAAAAATAGATAGAGAGAAAAATGGAGAAACG
 GACGCCCATGAAAAAGAGAAATATCAACCTTCTTATGAGACAACCATACTACCCGAGTGTCTCCGTGG
 CCTGAGATCACCTACGTCAACAATCCCATCCCTGGCTTCAACAGCTCCCATAGCAGTTTCTCTCTTG
 GGAAGGAAACGGCTCGCCCAACCACGACGAGAACACCCCTCCAGTACGGATAACCTCTTGCCGAC
 AACACGCCTCAGGAAGCCAGCAATGGCTGCATCGAAACCGTCTCCACATTCACGAGGCTTTTACC
 AACTTCTCAGATTTACTGAACTAACTAGAGACGACGTGATCAAATCTGCGGCCCTGCAGATGGAATCA
 GACTCTTAAATGCATTAAGGCGGATGGTGGCGCAAGGCTAACCATTTATGTCTGCCAGGAGTCCGTT
 GCAGTTGAGGGAGCAGCAGCCGACGCGCAGCCGAGCCGAGAAAGCAGGAGGATGGGGATTCAAACGGT
 ACTTTCTCGTGTACCATGCTATCTATCTCGAGGAGCTGACAGCTGTGCAACTCACAGAAAAATTGCTC
 AGCTTTTCAGCATTTCTCCTCACAGATCAGCCAGATTTACAAGCAAGGGCCGACAGGGATCCATGTGGT
 CATCAGCGATGAGATGGTACAGAACTTCCAGGAAGAAGCTGCTTTATTCTGGACACGATGGAAGCAGAA
 ACCAGTGACAGCTATCATGTCATTCTCAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208066 representing NM_033476
 Red=Cloning site Green=Tags(s)

MAWALKLPLADEVIESGLVQDFDASLSGIGQELGAGAYSMSDVLALPIFKQEESLPPDNENEILPFQYV
 LCAATSPAVKLHDETLTYLNQGSYEIRMLDNRKLGELPELNGKLVKSI FRVVFHRRLLQYTEHQLEGW
 RWNRPGRILDIDIPMSVGVIDPRANPTQLNTVEFLWDPKRTSVFIQVHCISTEFTMRKHGGEKGVVFR
 VQIDTFKENGNGEYTEHLHSASCQIKVFKPKGADRKQKIDREKMEKRTPEHEKEYQPSYETTILTECSPW
 PEITYVNNSPSPGFNSSHSSFSLGEGNGSPNHQPEPPPVTDNLLPTTTPQEAQQWLHRNRFSTFTRLFT
 NFSDLLKLRDDVIQICGPADGIRLFNALKGRMVRPRLTIYVCQESLQLREQQPQPQPQKQEDGDSNG
 TFFVYHAIYLEELTAVELTEKIAQLFSISPHQISQIYKQPTGIHVVISDEMVFQNFQEEACFILDTEAE
 TSDSYHVILK

TRTRPLE – GFP Tag – V

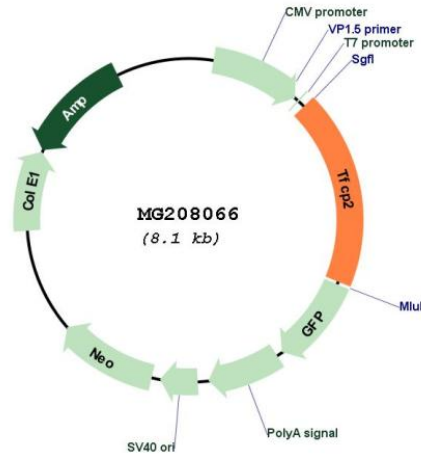
Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_033476

ORF Size: 1506 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:	<ol style="list-style-type: none">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_033476.2 , NP_258437.1
RefSeq Size:	3192 bp
RefSeq ORF:	1509 bp
Locus ID:	21422
UniProt ID:	Q9ERA0
Cytogenetics:	15 56.33 cM
Gene Summary:	Binds a variety of cellular promoters including fibrinogen, alpha-globin promoters. Activation of the alpha-globin promoter in erythroid cells is via synergistic interaction with UBP1 (By similarity). Functions as part of the SSP (stage selector protein) complex. Facilitates the interaction of the gamma-globin genes with enhancer elements contained in the locus control region in fetal erythroid cells. Interacts by binding to the stage selector element (SSE) in the proximal gamma-globin promoter (By similarity).[UniProtKB/Swiss-Prot Function]