

Product datasheet for **MR208066**

Tfcp2 (NM_033476) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfcp2 (NM_033476) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfcp2
Synonyms:	CP-2; CP2; D230015P20Rik; LBP-1c; LBP-1d; LBP1; LSF; Tcfcp2; UBP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208066 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTGGGCTCTGAAGCTGCCGTAGCCGACGAAGTATCGAGTCGGGGCTTGTGCAGGACTTTGATG
 CTAGCCTGTCGGCATTGGCCAGGAAGTGGGTGCTGGTGCTTATAGTATGAGTGTTCCTCGCATTGCC
 CATTTTTAAGCAAGAAGAGTCAAGTTTGCTCCCGATAATGAGAACGAGATTCTGCCTTTTCAGTATGTG
 CTCTGTGCTGCCACGTCTCCAGCGGTGAAGCTCCACGACGAGACCCTGACGTACCTCAATCAAGGACAGT
 CTTATGAAATCCGAATGCTAGACAATAGAAAATGGGAGAGCTTCCAGAACTCAACGGCAAGCTGGTGAA
 GAGCATATTCGCGTAGTGTCCACGACAGGGACTGCAGTACACTGAGCACCAGCAGCTGGAGGGCTGG
 AGGTGGAACCGACCGGGAGACAGGATTCTGCATAGATATCCCAATGTCTGTGGGTGAATTGATCCCA
 GGGCCAATCCTACCCAGCTAAACACAGTGGAGTTCCTGTGGGACCCTTCAAAGAGGACATCTGTGTTTAT
 TCAGGTGCACTGCATCAGCACTGAGTTCACCATGAGGAAGCATGGCGGGGAGAAGGGGGTCCGTTCCGA
 GTGCAGATCGATACCTTCAAGGAGAACGGGAACGGAGAGTACACAGAGCACTTGCCTCGCCAGCTGCC
 AGATCAAAGTCTTCAAGCCTAAGGGTGCAGACAGAAAAACAAAAATAGATAGAGAGAAAAATGGAGAAACG
 GACGCCCCATGAAAAAGAGAAAATCAACCTTCTTATGAGACAACCATACTACCCGAGTGTCTCCGTGG
 CCTGAGATCACCTACGTCAACAATCCCCATCCCTGGCTTCAACAGCTCCCATAGCAGTTTCTCTCTTG
 GGAAGGAAACGGCTCGCCCAACCACGAGCAGAACACCCCTCCAGTACGGATAACCTCTTGCCGAC
 AACACGCCTCAGGAAGCCAGCAATGGCTGCATCGAAACCGTTCTCCACATTCACGAGGCTTTTACC
 AACTTCTCAGATTTACTGAACTAACTAGAGACGACGTGATCAAATCTGCGGCCCTCGAGTGGAAATCA
 GACTCTTAAATGCATTAAGAGCCGGATGGTGCAGCCGCAAGGCTAACCATTTATGTCTGCCAGGAGTCGTT
 GCAGTTGAGGGAGCAGCAGCCGACCCGAGCCGAGCCGAGAAAGCAGGAGGATGGGGATTCAAACGGT
 ACTTTCTCGTGTACCATGCTATCTATCTCGAGGAGCTGACAGCTGTCGAACTCACAGAAAAATTGCTC
 AGCTTTTCAGCATTTCTCCTCACAGATCAGCCAGATTTACAAGCAAGGGCCGACAGGGATCCATGTGGT
 CATCAGCGATGAGATGGTACAGAACTTCCAGGAAGAAGCCTGCTTTATTCTGGACACGATGGAAGCAGAA
 ACCAGTGACAGCTATCATGTCATTCTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208066 protein sequence
 Red=Cloning site Green=Tags(s)

MAWALKLPLADEVIESGLVQDFDASLSGIGQELGAGAYSMSDVLALPIFKQEESLPPDNENEILPFQYV
 LCAATSPAVKLHDETLTYLNQQSSEYIIRMLDNRKLGELPELNGKLVKSI FRVVFHRRRLQYTEHQLEGW
 RWNRPGRILDIDIPMSVGVIDPRANPTQLNTEFLWDPKRTSVFIQVHCISTEFTMRKHGGEKGVPR
 VQIDTFKENGNGEYTEHLHSASCQIKVFKPKGADRKQKIDREKMEKRTPEHEKEYQPSYETTILTECSPW
 PEITYVNNSPSPGFNSSHSSFLGEGNGSPNHQPEPPPVTDNLLPTTTPQEAQQWLHRNRFSTFTRLFT
 NFSDLLKLRDDVIQICGPADGIRLFNALKGRMVRPRLTIYVCQESLQLREQQPQPQPQKQEDGDSNG
 TFFVYHAIYLEELTAVELTEKIAQLFSISPHQISQIYKQGTGIHVVISDEMVFQEEACFILDTEAE
 TSDSYHVILK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_033476

ORF Size: 1503 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_033476.1](#), [NM_033476.2](#), [NM_033476.3](#), [NP_258437.1](#)

RefSeq Size: 3301 bp

RefSeq ORF: 1509 bp

Locus ID: 21422

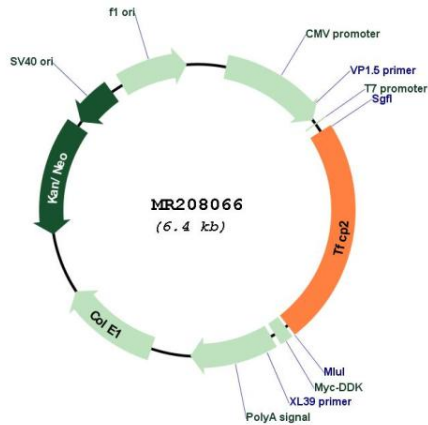
UniProt ID: [Q9ERA0](#)

Cytogenetics: 15 56.33 cM

MW: 56.9 kDa

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]

Product images:



Circular map for MR208066