

Product datasheet for **MC228050**

Tfcp2 (NM_001289603) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfcp2 (NM_001289603) Mouse Untagged Clone
Tag:	Tag Free
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)



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Fully Sequenced ORF: >MC228050 representing NM_001289603
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTGGGCTCTGAAGCTGCCGTAGCCGACGAAGTGATCGAGTCGGGGCTTGTGCAGGACTTTGATG
 CTAGCCTGTCCGGCATTGGCCAGGAAGTGGGTGCTGGTGCTTATAGTATGAGTGATGTCCTCGCATTGCC
 CATTTTTAAGCAAGAAGAGTCAAGTTTGCCTCCCGATAATGAGAACGAGATTCTGCCTTTTCAGTATGTG
 CTCTGTGCTGCCACGTCTCCAGCGGTGAAGCTCCACGACGAGACCCTGACGTACCTCAATCAAGGACAGT
 CTTATGAAATCCGAATGCTAGACAATAGAAAATGGGAGAGCTTCCAGAACTCAACGGCAAGCTGGTGAA
 GAGCATATTCGCGTAGTGTCCACGACAGGGACTGCAGTACACTGAGCACCAGCAGCTGGAGGGCTGG
 AGGTGGAACCGACCGGGAGACAGGATTCTGCATAGATATCCCAATGTCTGTGGGTGTAATTGATCCCA
 GGGCAATCCTACCCAGCTAAACACAGTGGAGTTCCTGTGGGACCCTTCAAAGAGGACATCTGTGTTTAT
 TCAGGTGCACTGCATCAGCACTGAGTTCACCATGAGGAAGCATGGCGGGGAGAAGGGGGTCCGTTCCGA
 GTGCAGATCGATACCTTCAAGGAGAACGGGAACGGAGAGTACACAGAGCACTTGCCTCGGCCAGCTGCC
 AGATCAAAGTCTTCAAGCCTAAGGGTGCAGACAGAAAAACAAAAATAGATAGAGAGAAAAATGGAGAAACG
 GACGCCCATGAAAAAGAGAAAATCAACCTTCTTATGAGACAACCATACTACCCGAGTGTCTCCGTGG
 CCTGAGATCACCTACGTCAACAATCCCCATCCCTGGCTTCAACAGCTCCCATAGCAGTTTCTCTCTTG
 GGAAGGAAACGGCTCGCCCAACCACCAGCCAGAACCCCTCCAGTACGGATAACCTCTTGCCGAC
 AACCCAGCCTCAGGAAGCCAGCAATGGCTGCATCGAAACCGTTCTCCACATTCACGAGGCTTTTACC
 AACTTCTCAGATTTACTGAACTAACTAGAGACGACGTGATCAAATCTGCGGCCCTGCAGATGGAATCA
 GACTTTTAATGCATTAAGGCGGATGGTGGCGCAAGGCTAACCATTTATGTCTGCCAGGATCGTT
 GCAGTTGAGGGAGCAGCAGCCGACCCGAGCCGAGCCGAGCCGAGAAAGCAGGAGGATGGGGATTCAAACGGT
 ACTTTCTCGTGTACCATGCTATCTATCTCGAGGAGCTGACAGCTGTCGAACTCACAGAAAAATTGCTC
 AGCTTTTCAGCATTTCTCCTCACAGATCAGCCAGATTTACAAGCAAGGGCCGACAGGGATCCATGTGGT
 CATCAGCGATGAGATGGTACAGAACTTCCAGGAAGAAGCCTGCTTTATTCTGGACACGATGGAAGCAGAA
 ACCAGTGACAGCTATCATGTCATTCTCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289603
- Insert Size:** 1503 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001289603.1 , NP_001276532.1
RefSeq Size:	3295 bp
RefSeq ORF:	1503 bp
Locus ID:	21422
UniProt ID:	Q9ERA0
Cytogenetics:	15 56.33 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>