

Product datasheet for MC215809

Tfap2b (NM_001025305) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tfap2b (NM_001025305) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tfap2b
Synonyms: Al606113; AP-2(beta); E130018K07Rik; Tcfap2b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215809 representing NM_001025305
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTAGTCCACACCTATTCATCCATGGACCGGCACGATGGCGTCCCAAGCCATAGCTCGAGACTCTCTC
 AACTGGGCTCTGTGCCAAGGACCTACTCAAGCGCCCCGCGTGTCCACACGCCATCATCGGACTT
 CCAGCCACCCTACTTTCCGCCCCCTACCAGCCGCTACCCTACCACCAGAGTCAAGACCCGTAATCCAC
 GTCAACGATCCCTACTCCCTGAACCTCTGCATCAGCCCCAGCAGCACCCGTGGGGGCAACGGCAACGCC
 AAGAAGTGGGCTCAGAAGCCGGCTCTCTCTGCCCCAGCCCCGGGCGAGCCTTGCCCCAGCTCTCCGGCT
 TGATCCCCGAAGGGACTACCACTCTGTCCGCCGGCCGACGTGCTGCTGCATTCCGCACATCACGGCCTG
 GACGCCGGCATGGGCGACAGCCTCTCGTTGCACGGCCTTGGGCATCCCGGCATGGAAGACGTGCAGTCAG
 TTGAAGATGCCAATAACAGCGGCATGAACCTATTGGACCAGTCAGTCATTAAGAAAGTTCCCTGTCCCTCC
 CAAATCTGTGACTTCTCTAATGATGAATAAAGATGGCTTCTTGGGAGGAATGTCAGTCAACACCGGGCAG
 GTATTTTGCTCAGTCCCGGGCCGTTTATCTCTACTCAGTTCAACTCAAAGTCAAAGTCAAGTCACTGTGGCG
 AAGTTCAGAGAAGGCTCTCGCCCCCTGAATGCCTCAATGCATCTCTCTGGGCGGCGTCTCAGAAGAGC
 CAAATCGAAAAATGGGGGAGATCCTTGAGAGAAAGGCTAGAAAAAATCGGTTTGAATTTACCCGCGGC
 AGGCGCAAAGCAGCAAATGTCACGTTACTCACCTCACTGGTAGAAGGGGAAGCTGTTCACTTAGCTCGGG
 ATTTCCGGTATATTTGTGAAACAGAGTTTCTGCTAAAGCCGTGTCGAGTATTTGAACAGACAGCACAC
 GGACCCAGTGACCTGCACTCCAGAAAGAATATGCTGCTGGCCACCAAGCAACTTTGTAAGAATTTACG
 GATCTGCTGGCTCAGGACCGGACACCGATCGGAAACAGCAGGCCAGCCCATCTGGAGCCGGGCATCC
 AAAGCTGTCTCACGCACTCAGTCTCATACGCACGGCTTCGGTGCCCCGGCCATTTGCGCTGCGCTCAC
 GGCCCTGCAGAACTATCTCACCAGGCGCTCAAAGGCATGGACAAGATGTTCTTGAACAACACCACTAAC
 AGGCACACGTCTGGGAAGGCCAGGTAGTAAACTGGCGACAAGGAGGAAACACAGGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001025305
Insert Size:	1326 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).
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:	<u>NM_001025305.2</u> , <u>NP_001020476.1</u>
RefSeq Size:	6167 bp
RefSeq ORF:	1326 bp
Locus ID:	21419
Cytogenetics:	1 A3
Gene Summary:	<p>Sequence-specific DNA-binding protein that interacts with inducible viral and cellular enhancer elements to regulate transcription of selected genes. AP-2 factors bind to the consensus sequence 5'-GCCNNNGGC-3' and activate genes involved in a large spectrum of important biological functions including proper eye, face, body wall, limb and neural tube development. They also suppress a number of genes including MCAM/MUC18, C/EBP alpha and MYC. AP-2-beta appears to be required for normal face and limb development and for proper terminal differentiation and function of renal tubular epithelia.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon compared to variant 1. The encoded protein (isoform 2) is shorter and has a distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>