

Product datasheet for **MR225955**

Tfap2c (NM_001159696) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfap2c (NM_001159696) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfap2c
Synonyms:	AA409384; Ap-2.2; AP2gamma; Stra2; Tcfap2c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR225955 representing NM_001159696
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAGGAGGGTTGTTGAACGAGGGCGCTGTGCGCCAGGTTCGCCGACGCCGAACCCCTGGGGCACGG
 GTAACCGACTGTGGCGGGAACGCGCTCTTGGACCTCCAAGCGACGCAGCGCGGGAACCTTCGCCAGA
 GGGCTCGAAGGATTCTGCCCTCAGGATCGCCAGGACTCGAGCAGTAATGGCAACCTTCGCATCCCTCAC
 CTCTCTCTCCGGGACAACATCTCTACAGTCCCGCGCGCCTCTCTCGCACACGGGGTTGCAGAGTACC
 AGCCGCCCTCTTACTTCCCGCGCCTTACCAGCAGCTGGCATACTCGCAGTCCGCCGACCATTACTCGCA
 TCTGGGAGAGGCTTACGCTGCCGCCATGAACCCCTGCACCAGCCTGCGGCCACCGGCAGCCAGCAACAG
 GCCTGGCCGGTGCAGAGTCAAGAGGGCTCTAGCCTGGCTCGCACCACAGCCGCTCTGCAAGTCTAA
 TACCCCATATTTAGGGCTGGAGGGGGCTCGGTGAGCGCCCGGGGAAGTCTACCGCCGTCCGACCT
 GCTGCTGCCTCAGCGCACGCCCTGGAAGCCGGCCTGGCTGAGAACCTGGGGCTGCACGAGATGGCTCAC
 CCCATAGAGGAGGTGCAGAATGTGGACGACGCGCACTTGCTCCTACACGATCAGACTGTCATTTCGAAAG
 GACCCATTTTCGATGACCAAGAACCCTTTGGGGCTCCCTTGCCAGAAGGACCTGGTGGGAGTGGTCATGAA
 CCCAGTGAGGTCTTCTGCTCGGTCCCTGGAAGACTGTCCCTGCTCAGCTCCACGTCAAGTACAAAGTA
 ACTGTGGCTGAGGTACAGAGGCGACTGTACCACCGGAATGCCTAAACGCTCGCTCCTGGGAGGTGTGC
 TCAGAAGAGCAAAGTCCAAAAATGGAGGCGCGTCTTGAGGGAGAAGTTGGACAAAATGGATTGAACCT
 TCCGGCCGGGAGACGAAAGTGCACGTCACCTCCTCACGTCTCTCGTGAAGGTGAAGCCGTCCAC
 CTAGCACGGGACTTCGCCTATGTCTGCGAAGCTGAGTTCCTAGTAAAGCGGTGGCTGACTATTTAACGA
 GACCACATCTTGGGGACGGAATGAGATGGCCACGCGGAAGATGTTGTTGGCTGCACAGCAGGTGTG
 CAAGGATTCACGTACCTTCTCCATCAAGATCGGACACCCAACGGGAACAACAGGCCCGCCAGGTCTTG
 GAGCCGAACATACAAAATGTTTGTCTCATTTCAGCCTGATAACTCATGGCTTTGGCAGCCAGGCCATCT
 GTGCGGGCTCTCCGAGTGCAGATTATATCAAGGAGGCTCTAATCGCCATCGATAAGTCTACATGAA
 CCCGGGGACAGAGTCCGGCTGATTCCAGCAAGACGATGGAGAAAATGGAAAAGCACAGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225955 representing NM_001159696
 Red=Cloning site Green=Tags(s)

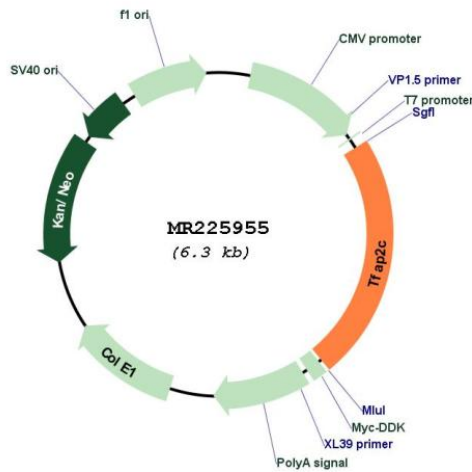
MGGLLNEGAVRRRRTPNPWGTGNRTVARNALLAPPSDAAREPSPEGSKDSSPQDRHDSNNGNPRIPH
 LSSPGQHLYSAPPLSHTGVAEYQPPYFPPYQQLAYSQSADHYSHLGEAYAAAMNPLHQPAATGSQQQ
 AWPGRQSQEGSSLASHHSRSASLIPHISGLEGGSVSARREYRRSDLLLPHAHALEAGLAENLGLHEMAH
 PIEEVQNVDDAHLHLHDQTVIRKGPISMTKNPLGLPCQKDLVGVVMPSEVFCVSPGRLSLLSSTSKYKV
 TVAEVQRRSPPECLNASLLGGVLRRAKSKNGRSLREKLDKIGLNLPAGRRKAAHVTLTSLVEGEAVH
 LARDFAYVCEAEFPSKAVADYLTRPHLGGRNEMATRKSMLLAAQQVCKEFTDLLHQDRTPNGNRPQVL
 EPNIQNCLSHFSLITHGFGSQAICAAVSAVQNYIKEALIAIDKSYMNPQDQSPADSSKTMKMEKHKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001159696

ORF Size: 1464 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_001159696.1](#), [NP_001153168.1](#)

RefSeq Size: 2794 bp

RefSeq ORF: 1467 bp

Locus ID: 21420

UniProt ID: [Q61312](#)

Cytogenetics: 2 H3

MW: 53.3 kDa

Gene Summary: 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.[UniProtKB/Swiss-Prot Function]