

Product datasheet for **MR207174**

Tfap2c (NM_009335) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfap2c (NM_009335) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfap2c
Synonyms:	AA409384; Ap-2.2; AP2gamma; Stra2; Tcfap2c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207174 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTGTGAAAAATAACAGATAATGTCAAGTATGAAGAGGATTGCGAGGATCGCCACGACTCGAGCAGTA
 ATGGCAACCCTCGCATCCCTCACCTCTCCTCTCCCGGACAACATCTCTACAGTCCCAGCGCCGCTCTCTC
 GCACACCGGGTTGCAGAGTACCAGCGCCTCCTTACTTCCCGCCGCTTACCAGCAGCTGGCATACTCG
 CAGTCCGCGGACCATTACTCGCATCTGGGAGAGGCTTACGCTGCCGCCATGAACCCCTGCACCAGCCTG
 CGGCCACCGGAGCCAGCAACAGGCCTGGCCGGTTCGACAGAGTCAAGAGGGCTCTAGCCTGGCCTCGCA
 CCACAGCCGCTCTGCAAGTCTAATACCCCATATTTAGGGCTGGAGGGGGCTCGGTGAGCGCCCGGCGG
 GAAGTCTACCGCCGGTCCGACCTGCTGCTGCCTCACGCGCACGCCCTGGAAGCCGGCCTGGCTGAGAACC
 TGGGGTGCACGAGATGGCTCACCCATAGAGGAGGTGCAGAATGTGGACGACGCGCACTTGCTCTTACA
 CGATCAGACTGTCATTGCAAAGGACCCATTTGATGACCAAGAACCCTTGGGGCTCCCTTGCCAGAAG
 GACCTGGTGGGAGTGGTCATGAACCCAGTGAGGTCTTCTGCTCAGTCCCTGGAAGACTGTCCCTGCTCA
 GCTCCACGTGCAAGTACAAAGTAACTGTGGCTGAGGTACAGAGGCGACTGTCACCAACCGGAATGCATAAA
 CGCCTCGCTCTGGGAGGTGTGCTCAGAAGAGCAAAGTCCAAAAATGGAGGCCGGTCTTGGAGGAGAAG
 TTGGACAAAATTGGATTGAACCTTCCGGCCGGGAGACGGAAGCTGCCACGTCCTCTCTCACGTCTC
 TCGTGGAAAGTGAAGCCGTCCACCTAGCACGGGACTTTGCCTATGTCTGCGAAGCTGAGTTCCCTAGTAA
 AGCGGTGGCTGACTATTTAACGAGACCACATCTGGGGACGGAATGAGATGGCCACGCGGAAGAGTATG
 TTGTTGGCTGCACAGCAGGTGTGCAAGGAGTCTACTGACCTTCTCCATCAAGATCGGACACCCAACGGGA
 ACAACAGGCCCGCCAGGTCTTGGAGCCGAACATACAAAATGTTGTCTCATTTCAGCCTGATACTCA
 TGGCTTTGGCAGCCAGGCCATCTGTGCGGCGGTCTCCGCAGTGCAGAATTATATCAAGGAGGCTCTAATC
 GCCATCGATAAGTCTACATGAACCCGGGGACCAGAGTCCGGCTGATCCAGCAAGACGATGGAGAAAA
 TGGAAAAGCACAGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207174 protein sequence
 Red=Cloning site Green=Tags(s)

MLWKITDNVKEYEEDCEDRHDSSSNGNPRIPHLSSPGQHL YSPAPPLSHTGVAEYQPPPYFPPPYQLAYS
 QSADHYSHLGEAYAAAMNPLHQPAATGSQQQAWPGRQSQEGSSLASHHSRSASLIPHISGLEGGSVSARR
 EYVRRSDLLLPHAHAEAGLAENLGLHEMAHPIEEVQNVDDAHLHLDQTVIRKGPISMTKNPLGLPCQK
 DLVGVVMNPSEVFCVPGRLSLLSSTSKYKVTVAEVQRRLSPPECLNASLLGGVLRRAKSKNGRSLREK
 LDKIGLNLPAARRKAAHVTLTSLVEGEAVHLARDFAYVCEAEFPSKAVADYLTRPHLGGRNEMATRSM
 LLAAQVQCKEFTDLLHQDRTPNGNRPQVLEPNIQNCLSHFSLITHGFGSQAICAAVSAVQNYIKEALI
 AIDKSYMNPQDQSPADSSKTMKMEKHRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009335

ORF Size: 1350 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_009335.1](#), [NM_009335.2](#), [NP_033361.1](#)
RefSeq Size: 2853 bp

RefSeq ORF: 1350 bp

Locus ID: 21420

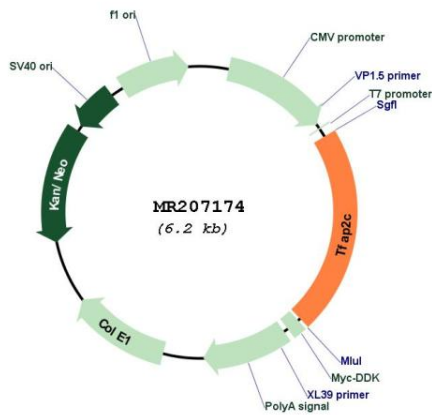
UniProt ID: [Q61312](#)

Cytogenetics: 2 H3

MW: 49.1 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]

Product images:



Circular map for MR207174