

## Product datasheet for **MR223390**

### Tfap2d (NM\_153154) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tfap2d (NM_153154) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfap2d
Synonyms:	Tcfap2d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR223390 representing NM\_153154  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAACTACCTTTCCGGACTAGTCCACGATGCGGAGATACGTCACGACGGATCAAACAGCTACCGTT  
 TGATGCAGCTTGCTGTCTGGAGTCCGTAGCCAATTCCACGGTTGCCTATTCCTCCTCCTCTCCTTAAAC  
 TTA CTCTACCACCGGCACCGAGTTTGCCTCCCTACTTCTCCACTAACCACCAGTACACCCCGCTCCAC  
 CACCAGTCTTCCATTACGAGTTCAGCACAGCCACCCGGCGGTCACTCCCGACGCTACTCTCTGAACT  
 CGCTCCACCCTCACAACAGTACTACCAGCAGATTACCACGGGGAGCCACCGACTTTATTAACCTGCA  
 CAATGCGCGGGCTCTCAAGTCTCTGCCTGGACGAGCAGAGGGCGGGAGCTGGGTTGCCTCGATGCCTAC  
 CGCGGCCACGACCTGTCCCTCATGAGCCATGGCTCTCAGTATGGAATGCACCCAGATCAAAGACTCCTGC  
 CAGGGCCAGCCTGGGGCTGGCCGCCGGGAGCCGACGACTTGCAGGGTCCGTGGAAGCCAGTGTGG  
 GATTGTTCTCAACGGCCAAGGGGGGTGATCAGAAGAGGTGGCACCTGTGTAGTCAACCCACAGACTTG  
 TTTTGCTCAGTTCGGGTGCTTTGTCTTCTCAGTTCCTACTTCCAAATACAAGGTGACTATCGCTGAGG  
 TAAAGAGGCGCCTCTACCACCCGAGTGCCTCAATGCTTCACTTCTGGGAGGCATTCTGAGGAGAGCAAA  
 ATCCAAGAATGGTGGTGCCTGAGAGAAAACTGGATAGGCTTGGCCTAAACTTGCCAGCTGGAAGA  
 CGGAAAGCAGCCAACGTTACCTTGCTCACTTCTTTAGTTGAAGGTGAGGCTTTGCACTTGGCTCGGGATT  
 TTGGCTACACGTGTAAACCGAGTTTCCAGCCAAGGCAGTGGGAGAGCATCTCGCCAGACAAATATGGA  
 ACAGAAAGAACAGACTGCAAGAAAAAGATGATCCTAGCCACCAAGCAAAATTTGTAAGAATTTCAAGAC  
 CTCCTGAGCCAGGATAGATCACCCTGGGATCCTCCAGACCCACTCCCATTCTAGACCTTGACATCCAGA  
 GGCACCTAACACATTTTCAGTTTTCAGTCACTCATGGTTTTGGGACACCAGCAATATGTGCAGCTCTAAGCAC  
 TTTCCAAACAGTCTCAGTGAGATGCTTAACTACTTGGAAAAACACACTACTCACAAAAACGGTGGTGCG  
 GCAGACTTGGCCAAGGCATGCCAACTCGGAGAAAGCCCGCTGCGGAAAGCTTCAGAGGCTGCTGTGA  
 AAGAGGGCAAAACAGAAAAGACAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR223390 representing NM\_153154  
 Red=Cloning site Green=Tags(s)

MSTTFPGLVHDAEIRHDGSNSYRLMQLGCLSVANSTVAYSSSSPLTYSTTGTEFASPYFSTNHQYTPLH  
 HQSFHYEFQHSHPAVTPDAYSLNSLHHSQQYYQIHHGEPTDFINLHNARALKSSCLDEQRRELGLCLDAY  
 RRHDL SLSHGSQYGMHPDQRLLPGPSLGLAAAGADDLQGSVEAQCGIVLNGQGGVIRRGGTCVVNPTDL  
 FCSVPGRLSLLSSTSKYKVTIAEVKRRSPPECLNASLLGGILRRAKSKNGGRCLREKLDRLGLNLPAGR  
 RKAANVTLTSLVEGEALHLARDFGYTCETEFPAKAVGEHLARQHMEQKEQTARKKMILATKQICKEFQD  
 LLSQDRSPLGSSRPTILDLDIQRHLTHFSLITHGFGTPAICAALSTFQTVLSEMLNYLEKHTTHKNGGA  
 ADSGQGHANSEKAPLRKASEAAVKEGKTEKTD

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9045\\_f02.zip](https://cdn.origene.com/chromatograms/mm9045_f02.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_153154

**ORF Size:** 1356 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\\_153154.3](#)

**RefSeq Size:** 1761 bp

**RefSeq ORF:** 1359 bp

**Locus ID:** 226896

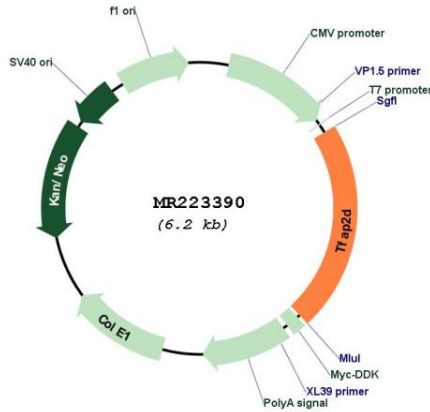
**UniProt ID:** [Q91ZK0](#)

**Cytogenetics:** 1 A3

**MW:** 50 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 MR223390