

Product datasheet for **MG223390**

Tfap2d (NM_153154) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfap2d (NM_153154) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tfap2d
Synonyms:	Tcfap2d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG223390 representing NM_153154
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCAACTACCTTTCCGGACTAGTCCACGATGCGGAGATACGTCACGACGGATCAAACAGCTACCGTT
 TGATGCAGCTTGCTGTCTGGAGTCCGTAGCCAATTCGCGGTTGCCTATTCTCTCTCTCTCTTAAC
 TTA CTCTACCACCGGCACCGAGTTTGCCTCCCTACTTCTCCACTAACCACCAGTACACCCCGCTCCAC
 CACCAGTCTTCCATTACGAGTTCAGCACAGCCACCCGGCGGTCCTCCGACGCTACTCTCTGAACT
 CGCTCCACCCTCACAACAGTACTACCAGCAGATTACCACGGGGAGCCACCGACTTTATTAACCTGCA
 CAATGCGCGGGCTCTCAAGTCTCTGCCTGGACGAGCAGAGGGCGGGAGCTGGGTTGCCTCGATGCCTAC
 CGCGGCCACGACCTGTCCCTCATGAGCCATGGCTCTCAGTATGGAATGCACCCAGATCAAAGACTCTGC
 CAGGGCCACGCTGGGGCTGGCCGCCGCGGGAGCCGACGACTTGCAGGGTCCGTGGAAGCCAGTGTGG
 GATTGTTCTCAACGGCCAAGGGGGGTGATCAGAAGAGGTGGCACCTGTGTAGTCAACCCACAGACTTG
 TTTTGCTCAGTTCGCGGTGCTTTGTCTTCTCAGTTCCTACTTCCAAATACAAGGTGACTATCGCTGAGG
 TAAAGAGGCGCCTCTACCACCCGAGTGCCTCAATGCTTCACTTCTGGGAGGCATTCTGAGGAGAGCAAA
 ATCCAAGAATGGTGGTCGTTGCCTGAGAGAAAACTGGATAGGCTTGGCCTAAACTTGCCAGCTGGAAGA
 CGGAAAGCAGCCAACGTTACCTTGCTCACTTCTTTAGTTGAAGGTGAGGCCTTGCCTTGGCTCGGGATT
 TTGGCTACACGTGTGAAACCGAGTTTCCAGCCAAGGCAGTGGGAGAGCATCTCGCCAGACAAATATGGA
 ACAGAAAGAACAGACTGCAAGAAAAAGATGATCCTAGCCACCAAGCAAAATTTGTAAGAATTTCAAGAC
 CTCCTGAGCCAGGATAGATCACCCTGGGATCCTCCAGACCCACTCCCATTCTAGACCTTGACATCCAGA
 GGCACCTAACACATTTTCAAGTTTATGATCACTCATGGTTTTGGGACACCAGCAATATGTGCAGCTCTAAGCAC
 TTTCCAAACAGTCTCAGTGAGATGCTTAACTACTTGGAAAAACACACTACTCACAAAAACGGTGGTGCG
 GCAGACTCTGGCCAAGGACATGCCAACTCGGAGAAAGCCCGCTGCGGAAAGCTTCAGAGGCTGCTGTGA
 AAGAGGGCAAAACAGAAAAGACAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223390 representing NM_153154
 Red=Cloning site Green=Tags(s)

MSTTFPGLVHDAEIRHDGSNSYRLMQLGCLESVANSAYSSSSPLTYSTTGTEFASPYFSTNHQYTPLH
 HQSFHYEFQHSHPAVTPDAYSLNSLHHSQQYYQIHHGEPTDFINLHNARALKSSCLDEQRRELGLCLDAY
 RRHDL SLSHGSQYGMHPDQRLLPGPSLGLAAAGADDLQGSVEAQCIVLNGQGGVIRRGTCVVNPTDL
 FCSVPGRLSLLSSTSKYKVTIAEVKRRLSPPECLNASLLGGILRRAKSKNGGRCLREKLDRLGLNLPAGR
 RKAANVTLLTSLVEGALHLARDFGYTCETEFPAKAVGEHLARQHMEQKEQTARKKMILATKQICKEFQD
 LLSQDRSPLGSSRPTPIILDLDIQRHLTHFSLITHGFTPAICAALSTFQTVLSEMLNYLEKHTTHKNGGA
 ADSGQGHANSEKAPLRKASEAAVKEGKTEKTD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_153154.2](#), [NP_694794.1](#)

RefSeq Size: 1761 bp

RefSeq ORF: 1359 bp

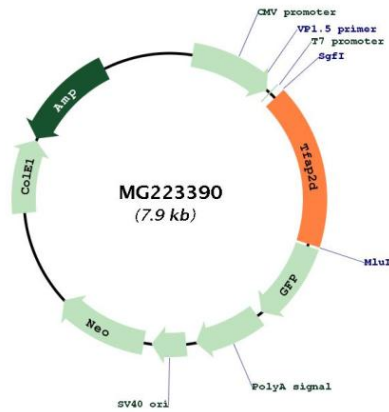
Locus ID: 226896

UniProt ID: [Q91ZK0](#)

Cytogenetics: 1 A3

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 MG223390