

Product datasheet for **MG221887**

Tfap4 (NM_031182) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfap4 (NM_031182) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tfap4
Synonyms:	Al642933; AP-4; bHLHc41; D930048N17Rik; Tcfap4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221887 representing NM_031182 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTATTTTCATGGTGCCCACTCAGAAGGTGCCCTCTTTGCAACATTTAGGAAAACAGAGAAAGAG
TGATAGGAGGGCTCTGTAGCCTAGCCAACATTCCACTGACCCCGAGACCCAGAGGGACCAGGAAAGGCG
GATTCGACGCGAGATTGCCAACAGCAACGAGCGGAGGCGCATGCAGAGTATCAACGCGGGCTTCCAGTCC
CTCAAGACCTCATTCCCACACAGATGGAGAGAAGCTCAGCAAGGCAGCCATTCTCCAGCAGACAGCAG
AATACATCTTCTCTTTGAACAGGAGAAGACTAGACTCCTGCAGCAGAACACACAGCTCAAGCGCTTTAT
CCAGGAGCTGAGTGGCTCATCCCCGAAGCGGCGGGCGGAAGACAAGGATGAGGGCATTGGCTCACCC
GACATCTGGGAGGATGAGAAGGCTGAGGACCTTAGGAGAGAGATGATCGAGCTGCGACAACAGCTGGACA
AGGAGCGCTCCGTGCGGATGATGCTGGAAGAGCAGGTGCGCTCCCTCGAGGCCACATGTACCCGGAAAA
ACTCAAGGTGATTGCCAGCAGGTGCAGCTGCAGCAGCAGCAGGAGCAGGTGCGGCTGCTGCACCAGGAG
AAGCTAGAGCGGGAACAGCAGCACCTACGGACCCAGCTCCTGCCTCCTCCAGCCCCACCCACCACCCCA
CAGTGATCGTGCCTGCACCAGCCCCGCCTTCTCCCACCACATCAATGTTGTACCATGGGTCCCTCCTC
AGTCATCAACTCTGTCTCTACATCCCGGCAAAAATCTGGACACCATTGTGCAGGCCATCCAGCACATTGAG
GGCACCCAGGACAAACAGGAGCTGGAAGAGGAACAGAGGCGAGCAGTTATCGTGAAGTCTGTCCGACGCT
GCCAGACGCCCCACCTCTGATACCGCTCGGACTCCGAGGCCTCGGACAGCAGCCATGGACCAGAG
CCGGGAGGAGCCTTTGGGGACGGGAGCTTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221887 representing NM_031182
 Red=Cloning site Green=Tags(s)

```
MEYFMVPTQKVP SLQHFRKTEKEVIGGLCSLANIPLTPETQRDQERRIRREIANSNERRRMQSINAGFQS
LKTLIPHTDGEKLSKAA ILQQTAEYIF SLEQEKTRLLQNTQLKRFIQELSGSSPKRRRAEDKDEGIGSP
DIWEDEKAEDLRREMIELRQQLDKERSVRMMLEE QVRSLEAHMYPEKLVIAQQVQLQQQEQVRL LHQE
KLEREQQHLRTQLLPPPAPTHHPTVIVPAPAPSSHHINVTMGPSVINSVSTSRQNLDTIVQAIQHIE
GTQDKQELEEEQRRAVIVKSVRSCPDAHTSDTASDSEASDSDAMDQSREEPLGDGELP
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031182

ORF Size: 1014 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_031182.2](#), [NP_112459.1](#)

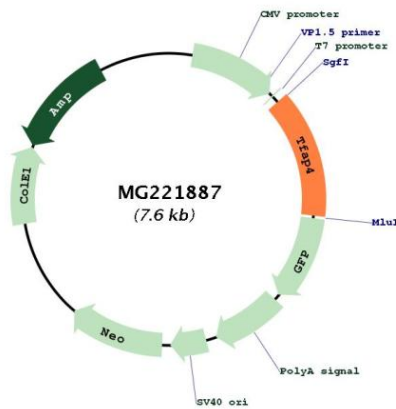
RefSeq Size: 2113 bp

RefSeq ORF: 1017 bp

Locus ID: 83383

Cytogenetics: 16 2.45 cM

Product images:



Circular map for MG221887