

Product datasheet for **MG221891**

Tnfrsf4 (NM_011659) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfrsf4 (NM_011659) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tnfrsf4
Synonyms:	ACT35; CD134; Ly-70; Ox40; Txgp1; TXGP1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221891 representing NM_011659 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGTGTGGGTTTCAGCAGCCACAGCCCTTCTGCTGCTGGGACTCACACTTGGAGTTACAGCAAGGC
GGCTCAACTGTGTTAAACATACCTACCCAGTGGTCACAAGTGTGTCGTGAGTGCCAGCCAGGCCATGG
TATGGTGAGCCGCTGTGATCATAACCAGGGATACTCTATGTCATCCGTGTGAGACTGGCTTCTACAATGAA
GCTGTCAATTATGATACCTGCAAGCAGTGTACACAGTGAACCATCGAAGTGAAGTGAAGTCAAGCAGA
ATTGCACACCTACTCAGGATACTGTCTGCAGATGTAGACCAGGCACCCAACTCGGCAGGACAGCGGCTA
CAAGCTTGGAGTTGACTGTGTTCCCTGCCCTCCTGGCCACTTTTCTCCAGGCAACAACCAGGCCTGCAAG
CCCTGGACCAATTGTACCTTATCTGAAAAGCAGACCCGCCACCCAGCCAGTGACAGCTTGGACGCAGTCT
GTGAGGACAGAAGCCTCCTGGCCACACTGCTCTGGGAGACCCAGCGCCCTACATTCAGGCCAACCACTGT
CCAATCCACCACAGTCTGGCCCAGGACTTCTGAGTTGCCCTCTCCACCCACCTTGGTGACTCCTGAGGGC
CCTGCATTTGCTGTTCTCCTAGGCCTGGGCTGGGCTGCTGGCTCCCTTACTGCTGCTGGCCTTGT
ACCTGCTCCGGAAGGCTTGGAGATTGCCTAACACTCCAAACCTTGTGGGGAACAGCTTCAGGACCC
GATCCAGGAGGAACACACAGACGCACACTTTACTCTGGCCAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221891 representing NM_011659
Red=Cloning site Green=Tags(s)

MYVWVQQPTALLLLGLTLGVTARRLNCVKHTYPSGHKCCRECPQGHGMVSRCDHTRDTLCHPCETGFYNE
 AVNYDTCKQCTQCNHRSGSELKQNCPTQD TVCRCPGTQPRQDSGYKLGVDVCPGPHFSPGNNQACK
 PWTNCTLSGKQTRHPASDSLDAVCEDRSLLATLLWETQRPTFRPTTVQSTTVWPRTSELPSPPTLVTEG
 PAFAVLLGLGLLLAPLTVLLALYLLRKAWRLPNTPKPCWGNFSFRTPIQEEHTDAHFTLAKI

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1710_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011659

ORF Size: 816 bp

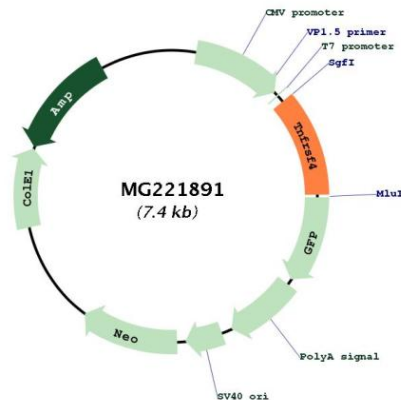
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_011659.2](#), [NP_035789.1](#)
- RefSeq Size:** 1155 bp
- RefSeq ORF:** 819 bp
- Locus ID:** 22163
- UniProt ID:** [P47741](#)
- Cytogenetics:** 4 87.68 cM
- Gene Summary:** Receptor for TNFSF4/OX40L/GP34. Is a costimulatory molecule implicated in long-term T-cell immunity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG221891