

# **Product datasheet for MG226360**

## Tnfrsf18 (NM 021985) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Tnfrsf18 (NM\_021985) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Tnfrsf18

Synonyms: AITR; Gitr

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG226360 representing NM\_021985

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGGGCATGGGCCATGCTGTATGGAGTCTCGATGCTCTGTGTGCTGGACCTAGGTCAGCCGAGTGTAG
TTGAGGAGCCTGGCTGTGGCCCTGGCAAGGTTCAGAACGGAAGTGGCAACAACACTCGCTGCTGCAGCCT
GTATGCTCCAGGCAAGGAGGACTGTCCAAAAGAAAGGTGCATATGTGTCACACCTGAGTACCACTGTGGA
GACCCTCAGTGCAAGATCTGCAAGCACTACCCCTGCCAACCAGGCCAGAGGGTGGAGTCTCAAGGGGATA
TTGTGTTTTGGCTTCCGGTGTGTTGCCTGTGCCATGGGCACCTTCTCCGCAGGTCGTGACGGTCACTGCAG

ACTTTGGACCAAAGACCCAGCCATTCGCGGAGGTGCAGTTGTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG226360 representing NM\_021985

Red=Cloning site Green=Tags(s)

MGAWAMLYGVSMLCVLDLGQPSVVEEPGCGPGKVQNGSGNNTRCCSLYAPGKEDCPKERCICVTPEYHCG

DPQCKICKHYPCQPGQRVESQGDIVFGFRCVACAMGTFSAGRDGHCRLWTKDPAIRGGAVVS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



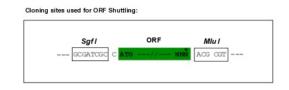
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

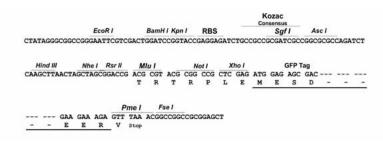
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

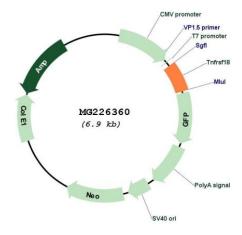


#### **Cloning Scheme:**





### Plasmid Map:



**ACCN:** NM\_021985

ORF Size: 396 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



## Tnfrsf18 (NM\_021985) Mouse Tagged ORF Clone - MG226360

**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:** <u>NM 021985.3</u>

RefSeq Size: 817 bp
RefSeq ORF: 399 bp
Locus ID: 21936
UniProt ID: 035714
Cytogenetics: 4 E2

**Gene Summary:** Receptor for TNFSF18. Seems to be involved in interactions between activated T-lymphocytes

and endothelial cells and in the regulation of T-cell receptor-mediated cell death. Mediated NF-kappa-B activation via the TRAF2/NIK pathway (By similarity).[UniProtKB/Swiss-Prot

Function]