

## Product datasheet for **MG226180**

### Tnfsf10 (NM\_009425) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfsf10 (NM_009425) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tnfsf10
Synonyms:	A330042I21Rik; A1448571; APO-2L; Ly81; TL2; Tnlg6a; Trail
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226180 representing NM_009425 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTTCCTCAGGGCCCTGAAGGACCTCAGCTTCAGTCAGCACTTCAGGATGATGGTGATTTGCATAG  
TGCTCCTGCAGGTGCTCCTGCAGGCTGTGTCTGTGGCTGTGACTTACATGTACTTCACCAACGAGATGAA  
GCAGCTGCAGGACAATTACTCCAAAATTGGACTAGCTTGCTTCTCAAAGACGGATGAGGATTTCTGGGAC  
TCCACTGATGGAGAGATCTTGAACAGACCCTGCTTGCAGGTTAAGAGGCAACTGTATCAGCTCATTGAAG  
AGGTGACTTTGAGAACCTTTGAGACACCATTTCTACAGTTCAGAAAAGCAGCTAAGTACTCCTCCCTT  
GCCCAGAGGTGGAAGACCTCAGAAAAGTGGCAGCTCACATTACTGGGATCACTCGGAGAAGCAACTCAGCT  
TTAATTCCAATCTCCAAGGATGGAAGACCTTAGGCCAGAAGATTGAATCCTGGGAGTCCCTCGGAAAAG  
GGCATTCAATTTCTCAACCACGTGCTCTTTAGGAATGGAGAGCTGGTCATCGAGCAGGAGGGCCTGTATTA  
CATCTATCCCAAACATACTTCCGATTTGAGGAAGCTGAAGACGCTTCCAAGATGGTCTCAAAGGACAAG  
GTGAGAACCAAACAGCTGGTGCAGTACATCTACAAGTACACCAGCTATCCGGATCCCATAGTGCTCATGA  
AGAGCGCCAGAAACAGCTGTTGGTCCAGAGATGCCGAGTACGGACTGTACTCCATCTATCAGGGAGGATT  
GTTGAGCTAAAAAAAATGACAGGATTTTGTCTGTGACAAAATGAACATTTGATGGACCTGGATCAA  
GAAGCCAGCTTCTTTGGACCTTTTAAATTAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG226180 representing NM\_009425  
 Red=Cloning site Green=Tags(s)

MPSSGALKDLFSQHFMMVICIVLLQVLLQAVSVAVTYMYFTNEMKQLQDNYSKIGLACFSKTDDEFWD  
 STDGEILNRPCLQVKRQLYQLIEEVTLRTFQDTISTVPEKQLSTPPLPRGGRPQKVAAHITGITRRSNSA  
 LIPISKDGTKLGQKIESWESSRKGHSFLNHVLFNGELVIEQEGLYYIYSQTYFRFQEAEDASKMYSKDK  
 VRTKQLVQYIYKYTSYPDPVILMKASARNSCWSRDAEYGLYSIYQGGLFELKKNDRIFVSVTNEHMLDLQ  
 EASFFGAFLIN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_009425

**ORF Size:** 873 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\\_009425.2](#), [NP\\_033451.1](#)

**RefSeq Size:** 4944 bp

**RefSeq ORF:** 876 bp

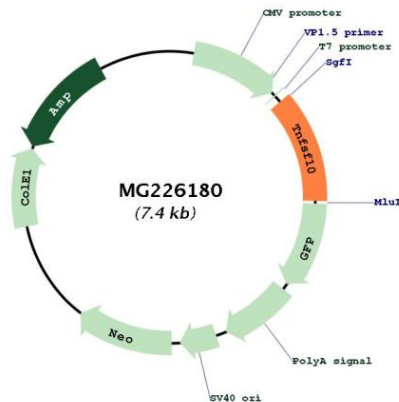
**Locus ID:** 22035

**UniProt ID:** [P50592](#)

**Cytogenetics:** 3 A3

**Gene Summary:** Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG. Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG226180