

Product datasheet for **MG205945**

Tnfrsf10b (NM_020275) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfrsf10b (NM_020275) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tnfrsf10b
Synonyms:	DR5; KILLER; Ly98; MK; TRAILR2; TRICK2A; TRICK2B; TRICKB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205945 representing NM_020275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCTCCAGGACCCAGCACGCCACAGCCTCTGCCGCTGCCGGGCAGATCACTACACCCAGGCC
TCCGGCCACTCCCGAAGCGCAGACTTCTATATAGCTTTGCGTTGCTGCTTGTGTGTACAGGCTGTCTT
TGTTCCAGTAACAGCTAACCCAGCCATAATCGTCCAGCTGGCCTACAGCGCCGGAGGAGGCCATCA
AGAGGACCCTGTCTAGCAGGCCAGTACCTGTCAGAAGGGAAGTCAAGCCTTGCAGAGAGGGTATTGACT
ACACCAGCCATTCCAACCATTCTCTGGATTTCATGTATTCTCTGCACAGTCTGTAAGGAAGATAAAGTCGT
AGAAACCCGATGCAACATAACCACAAATACGGTGTGTCGATGCAAACAGGCACCTTTGAAGATAAAGAC
TCCCCTGAGATCTGCCAGTCATGCTCTAACTGCACTGACGGGGAAGAGGAACTGACTTCTGTACCCCCA
GAGAAAACCGGAAGTGTCTCCAAAACGGCTTGGGCATCTTGGCATAAGCTAGGCCTCTGGATAGGACT
CCTGGTTCCAGTAGTGTCTGATTGGAGCTCTGCTTGTCTGGAAGACTGGAGCATGGAGGCAATGGTTG
CTCTGTATAAAAAGAGGCTGTGAACGGGATCCCGAAAGTGCGAAGTCTGTGCATTTCGCTCTCTTGGACC
GACAGACATCTAGCAGCAAAATGACTCTAACCACAACACGGAACCTGGCAAGACTCAGAAAACAGGAAA
GAAGTTGCTGGTTCCGGTAAACGGAAACGACTCAGCTGACGACCTGAAGTTTATCTTCGAGTATTGTTCC
GACATAGTGCCCTTTGACTCCTGGAACCGTCTCATGCGGCAAGTTGGCCCTCACAGACAATCAAATCCAAA
TGGTCAAAGCCGAAACACTGGTCAACAGTGAAGCCCTGTACCAAATGCTGCTCAAGTGGCCGCCACAGAC
TGGGCGAAGTGCCTCCATCAACCATCTGCTGGATGCCTTGGAAAGCCGTGGAAGAGAGAGATGCCATGGAG
AAAATTGAAGACTACGCAAGTAAATCCGGGAGGTTTACTTATCAGAACGCTGCAGCCCAACCAGAGACAG
GCCCAGGAGGATCTCAGTGCCTT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205945 representing NM_020275
 Red=Cloning site Green=Tags(s)

```
MEPPGPSTPTASAAAARADHYTPGLRPLPKRRLLYSFALLLAVLQAVFVPVTANPAHNRPAQLRPEESPS
RGPCLAGQYLSEGNCKPCREGIDYTSNHSLSLDCILCTVCKEDKVVETRCNITNTVCRCKPGTFEDKD
SPEICQSCSNCTDGEELTSTPRENRKCVSKTAWASWHKLGWIGLLVPVLLIGALLVWKTGAWRQWL
LCIKRGCCERDPESANSVHSSLLDRQTSSTTNDNSNHNTPEPKTQKTGKLLVPVNGNDSADDLKFIFEYCS
DIVPFDWNRLMRQLGLTDNQIQMVKAETLVTREALYQMLLKWRHQTGRSASINHLDDALEAVEERDAME
KIEDYAVKSGRFTYQNAAAQPETGPGGSQCV
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020275

ORF Size: 1143 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_020275.4](#), [NP_064671.2](#)

RefSeq Size: 3142 bp

RefSeq ORF: 1146 bp

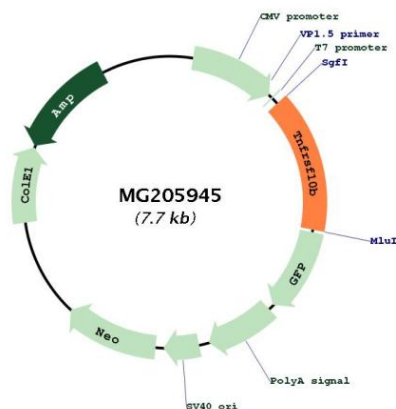
Locus ID: 21933

UniProt ID: [Q9QZM4](#)

Cytogenetics: 14 D2

Gene Summary: Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa-B. Essential for ER stress-induced apoptosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205945