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# Product datasheet for MR205945

## Tnfrsf10b (NM_020275) Mouse Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Tnfrsf10b (NM_020275) Mouse Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Tnfrsf10b |
| **Synonyms:** | DR5; KILLER; Ly98; MK; TRAILR2; TRICK2A; TRICK2B; TRICKB |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

>MR205945 representing NM_020275
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCTCCAGGACCCAGCACGCCCACAGCCTCTGCCGCTGCCCGGGCAGATCACTACACCCCAGGCC
TCCGGCCACTCCCGAAGCGCAGACTTCTATATAGCTTTGCGTTGCTGCTTGCTGTGCTACAGGCTGTCTT
TGTTCCAGTAACAGCTAACCCAGCCCATAATCGTCCAGCTGGCCTACAGCGGCCGGAGGAGAGCCCATCA
AGAGGACCCTGTCTAGCAGGCCAGTACCTGTCAGAAGGGAACTGCAAGCCTTGCAGAGAGGGTATTGACT
ACACCAGCCATTCCAACCATTCTCTGGATTCATGTATTCTCTGCACAGTCTGTAAGGAAGATAAAGTCGT
AGAAACCCGATGCAACATAACCACAAATACGGTGTGTCGATGCAAACCAGGCACCTTTGAAGATAAAGAC
TCCCCTGAGATCTGCCAGTCATGCTCTAACTGCACTGACGGGGAAGAGGAACTGACTTCCTGTACCCCCA
GAGAAAACCGGAAGTGTGTCTCCAAAACGGCTTGGGCATCTTGGCATAAGCTAGGCCTCTGGATAGGACT
CCTGGTTCCAGTAGTGCTGCTGATTGGAGCTCTGCTTGTCTGGAAGACTGGAGCATGGAGGCAATGGTTG
CTCTGTATAAAAAGAGGCTGTGAACGGGATCCCGAAAGTGCGAACTCTGTGCATTCGTCTCTCTTGGACC
GACAGACATCTAGCACGACAAATGACTCTAACCACAACACGGAACCTGGCAAGACTCAGAAAACAGGAAA
GAAGTTGCTGGTTCCGGTAAACGGAAACGACTCAGCTGACGACCTGAAGTTTATCTTCGAGTATTGTTCG
GACATAGTGCCCTTTGACTCCTGGAACCGTCTCATGCGGCAGTTGGGCCTCACAGACAATCAAATCCAAA
TGGTCAAAGCCGAAACACTGGTCACACGTGAGGCCCTGTACCAAATGCTGCTCAAGTGGCGCCACCAGAC
TGGGCGAAGTGCCTCCATCAACCATCTGCTGGATGCCTTGGAAGCCGTGGAAGAGAGAGATGCCATGGAG
AAAATTGAAGACTACGCAGTGAAATCCGGGAGGTTTACTTATCAGAACGCTGCAGCCCAACCAGAGACAG
GGCCAGGAGGATCTCAGTGCGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:**

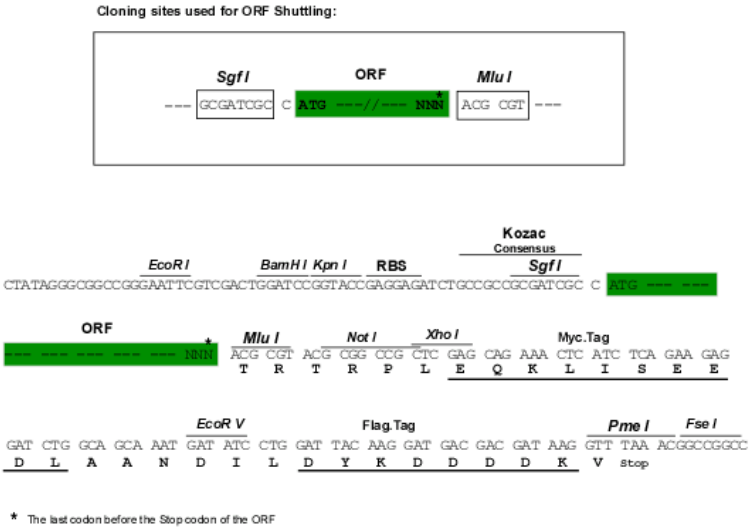
>MR205945 representing NM_020275
Red=Cloning site Green=Tags(s)

MEPPGPSTPTASAAARADHYTPGLRPLPKRRLLYSFALLLAVLQAVFVPVTANPAHNRPAGLQRPEESPS
RGPCLAGQYLSEGNCKPCREGIDYTSHSNHSLDSCILCTVCKEDKVVETRCNITTNTVCRCKPGTFEDKD
SPEICQSCSNCTDGEEELTSCTPRENRKCVSKTAWASWHKLGLWIGLLVPVVLLIGALLVWKTGAWRQWL
LCIKRGCERDPESANSVHSSLLDRQTSSTTNDSNHNTEPGKTQKTGKKLLVPVNGNDSADDLKFIFEYCS
DIVPFDSWNRLMRQLGLTDNQIQMVKAETLVTREALYQMLLKWRHQTGRSASINHLLDALEAVEERDAME
KIEDYAVKSGRFTYQNAAAQPETGPGGSQCV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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

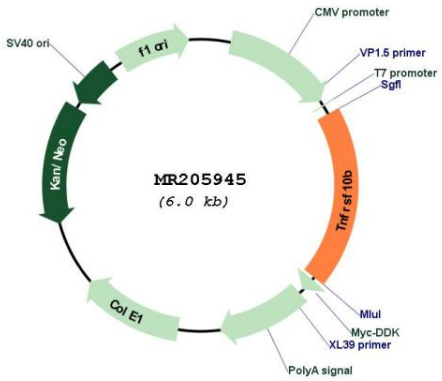
**UniProt ID:** Q9QZM4

**Cytogenetics:** 14 D2

**MW:** 42.6 kDa

**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 MR205945