

Product datasheet for MR226180

Tnfsf10 (NM_009425) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfsf10 (NM_009425) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tnfsf10
Synonyms:	A330042I21Rik; A1448571; APO-2L; Ly81; TL2; Tnlg6a; Trail
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226180 representing NM_009425 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTTCCTCAGGGCCCTGAAGGACCTCAGCTTCAGTCAGCACTTCAGGATGATGGTGATTTGCATAG
TGCTCCTGCAGGTGCTCCTGCAGGCTGTGTCTGTGGCTGTGACTTACATGTACTTCACCAACGAGATGAA
GCAGCTGCAGGACAATTACTCCAAAATTGGACTAGCTTGCTTCTCAAAGACGGATGAGGATTTCTGGGAC
TCCACTGATGGAGAGATCTTGAACAGACCCTGCTTGCAGGTTAAGAGGCAACTGTATCAGCTCATTGAAG
AGGTGACTTTGAGAACCTTTGAGACACCTTTCTACAGTTCAGAAAAGCAGCTAAGTACTCCTCCCTT
GCCCAGAGGTGGAAGACCTCAGAAAAGTGGCAGCTCACATTACTGGGATCACTCGGAGAAGCAACTCAGCT
TTAATTCCAATCTCCAAGGATGGAAGACCTTAGGCCAGAAGATTGAATCCTGGGAGTCCCTCGGAAAAG
GGCATTCAATTTCTCAACCACGTGCTCTTTAGGAAATGGAGAGCTGGTCATCGAGCAGGAGGGCCTGTATTA
CATCTATCCCAAACATACTTCCGATTTGAGGAAGCTGAAGACGCTTCCAAGATGGTCTCAAAGGACAAG
GTGAGAACCAAACAGCTGGTGCAGTACATCTACAAGTACACCAGCTATCCGGATCCCATAGTGCTCATGA
AGAGCGCCAGAAACAGCTGTTGGTCCAGAGATGCCGAGTACGGACTGTACTCCATCTATCAGGGAGGATT
GTTTCGAGCTAAAAAAAATGACAGGATTTTGTCTGTGACAAATGAACATTTGATGGACCTGGATCAA
GAAGCCAGCTTTTGGACCTTTTAAATTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR226180 representing NM_009425
Red=Cloning site Green=Tags(s)

MPSSGALKDLFSQHFMMVICIVLLQVLLQAVSVAVTYMYFTNEMKQLQDNYSKIGLACFSKTDDEDWD
 STDGEILNRPCQLQVQRQLYQLIEEVTLRTFQDTISTVPEKQLSTPPLPRGGRPQKVAAHITGITRRSNSA
 LIPISKDGKTLGQKIESWESSRKGHSFLNHVLFRNDELVIEQEGLYYIYSQTYFRFQEAEDASKMYSKDK
 VRTKQLVQYIYKYTSYPDPVILMKSARNSCWSRDAEYGLYSIYQGGLFELKKNDRIFVSVTNEHLMDLQ
 EASFFGAFLIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9023_g11.zip

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

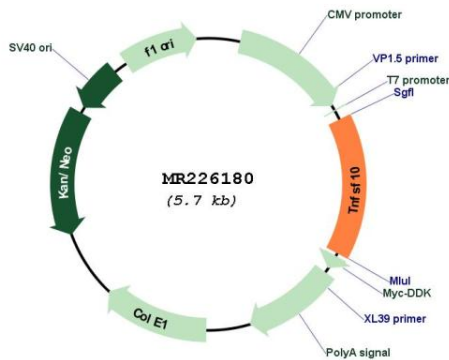
UniProt ID: [P50592](#)

Cytogenetics: 3 A3

MW: 33.9 kDa

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 MR226180