

Product datasheet for **MR228581**

Tnf (NM_001278601) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnf (NM_001278601) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tnf
Synonyms: DI; DIF; Tn; TNF-; TNF-a; TNF-alpha; Tnfa; TNFalpha; Tnfs; Tnfsf1a; TNFSF2; Tnlg1f
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228581 representing NM_001278601
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCACAGAAAGCATGATCCGCGACGTGGAAGTGGCAGAAGAGGCACTCCCCAAAAGATGGGGGCT
TCCAGAACTCCAGGCGGTGCCTATGTCTCAGCCTCTTCTCATTCTGCTTGTGGCAGGGCCACCACGCT
CTTCTGTCTACTGAACTTCGGGGTGATCGGTCCCAAAGGGATGAGAAGTCCCAAATGGCTCCCTCTC
ATCAGTTCTATGGCCAGACCCTCACACTCACAACCACCAAGTGGAGGAGCAGCTGGAGTGGCTGAGCC
AGCGCGCCAACGCCCTCCTGGCCAACGGCATGGATCTCAAAGACAACCAACTAGTGGTGCCAGCCGATGG
GTTGTACCTTGTCTACTCCCAGGTTCTTCAAGGGACAAGGCTGCCCGACTACGTGCTCCTCACCCAC
ACCGTCAGCCGATTTGCTATCTCATACCAGGAGAAAGTCAACCTCCTCTCTGCCGTCAAGAGCCCCTGCC
CCAAGGACACCCCTGAGGGGGCTGAGCTCAAACCCTGGTATGAGCCATATACCTGGGAGGAGTCTTCCA
GCTGGAGAAGGGGACCAACTCAGCGCTGAGGTCAATCTGCCAAGTACTTAGACTTTGCGGAGTCCGGG
CAGGTCTACTTTGGAGTCATTGCTCTG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR228581 representing NM_001278601
 Red=Cloning site Green=Tags(s)

MSTESMIRDVELAEEALPQKMGGFQNSRRCLCLSLFSFLLVAGATTLFCLLNFGVIGPQRDEKFPNGLPL
 ISSMAQTLTLTNHQVEEQLEWLSQRANALLANGMDLKDNQLVVPADGLYLVSQVLFKGGQCPDYVLLTH
 TVSRFAISYQEKVNLLSAVKSPCKDTPEGAELKPWYEP IYLLGGVFQLEKGDQLSAEVNLPKYLDFAESG
 QVYFGVIAL

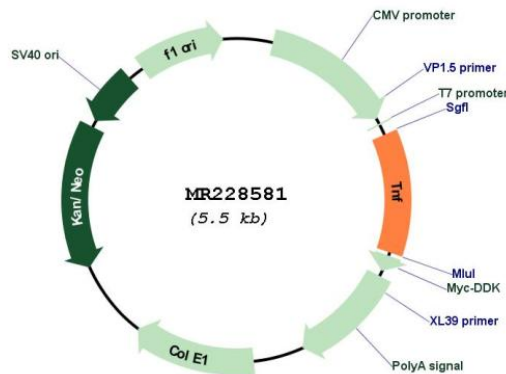
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278601

ORF Size: 657 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:	<ol style="list-style-type: none">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_001278601.1 , NP_001265530.1
RefSeq Size:	1605 bp
RefSeq ORF:	660 bp
Locus ID:	21926
UniProt ID:	P06804
Cytogenetics:	17 18.59 cM
MW:	24.7 kDa
Gene Summary:	This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. Members of this family are classified based on primary sequence, function, and structure. This protein is synthesized as a type-II transmembrane protein and is reported to be cleaved into products that exert distinct biological functions. It plays an important role in the innate immune response as well as regulating homeostasis but is also implicated in diseases of chronic inflammation. In mouse deficiency of this gene is associated with defects in response to bacterial infection, with defects in forming organized follicular dendritic cell networks and germinal centers, and with a lack of primary B cell follicles. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]