

Product datasheet for **RC208641**

TNFRSF1B (NM_001066) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNFRSF1B (NM_001066) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNFRSF1B
Synonyms:	CD120b; p75; p75TNFR; TBPII; TNF-R-II; TNF-R75; TNFBR; TNFR1B; TNFR2; TNFR80
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC208641 representing NM_001066
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCCGTCGCCGTCTGGGCCGCGCTGGCCGTCGGACTGGAGCTCTGGGCTGCGGCGCACGCCCTTGC
 CCGCCCAGGTGGCATTACACCCCTACGCCCGGAGCCCGGAGCAGCATGCCGGCTCAGAGAATACTATGA
 CCAGACAGCTCAGATGTGCTGCAGCAAATGCTCGCCGGGCCAACATGCAAAGTCTTCTGTACCAAGACC
 TCGGACACCGTGTGACTCCTGTGAGGACAGCACATACCCAGCTCTGGAAGTGGGTTCCCGAGTGCT
 TGAGCTGTGGCTCCCGTGTAGCTCTGACCAGGTGAAACTCAAGCTGCACTCGGGAACAGAACCGCAT
 CTGCACCTGCAGGCCCGGCTGGTACTGCGCGCTGAGCAAGCAGGAGGGTCCCGGCTGTGCGCGCCGCTG
 CGCAAGTCCCGCCGGCTTCGGCGTGGCCAGACCAGAACTGAAACATCAGACGTGGTGTCAAGCCCT
 GTGCCCGGGGACGTTTCCAACACGACTTCATCCACGGATATTCAGGCCCCACCAGATCTGTAACGT
 GGTGGCCATCCCTGGGAATGCAAGCATGGATGCAGTCTGCACGTCCACGTCCCCACCCGGAGTATGGCC
 CCAGGGGAGTACACTTACCCAGCCAGTGTCCACAGATCCCAACACACGCAGCCAACTCCAGAACCCA
 GCACTGCTCCAAGCACCTCCTTCTGCTCCAATGGGCCCCAGCCCCCAGCTGAAGGGAGCACTGGCGA
 CTTTCGCTTCCAGTTGGACTGATTGTGGGTGTGACAGCCTTGGGTCTACTAATAATAGGAGTGGTGAAC
 TGTGTCATCATGACCCAGGTGAAAAGAAGCCCTTGTGCTGCAGAGAGAAGCCAAGGTGCCTCACTTGC
 CTGCCGATAAAGGCCCGGGTACACAGGGCCCGAGCAGCAGCACCTGCTGATCACAGCGCCGAGCTCCAG
 CAGCAGCTCCCTGGAGAGCTCGGCCAGTGCCTGGACAGAAGGGCGCCACTCGGAACAGCCACAGGCA
 CCAGGCGTGGAGGCCAGTGGGCCGGGGAGGCCCGGGCCAGCACCGGGAGCTCAGATTCTCCCTGGTG
 GCCATGGGACCCAGGTCAATGTCACTGCATCGTGAACGCTGTAGCAGCTCTGACCACAGCTCACAGT
 CTCTCCCAAGCCAGCTCCACAATGGGAGACACAGATTCCAGCCCTCGGAGTCCCGAAGGACGAGCAG
 GTCCCTTCTCCAAGGAGGAATGTGCTTTCGGTACAGCTGGAGACGCCAGAGACCCTGCTGGGGAGCA
 CCGAAGAGAAGCCCTGCCCTTGGAGTGCCTGATGCTGGGATGAAGCCAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208641 representing NM_001066
 Red=Cloning site Green=Tags(s)

MAPVAVWAALAVGLELWAAHALPAQVAFPTYAPEPGSTCRLREYYDQTAQMCCSKCSPGQHAKVFCTKT
 SDTVCDSCEDSTYTQLWNWVPECLSCGSRCSDDQVETQACTREQNRICTCRPGWYCALSKQEGCRLCAPL
 RKCRPGFGVARPGTETSDVVCKPCAPGTFSNNTSSTDICRPHQICNVVAIPGNASMDAVCTSTSPTRSMA
 PGAVHLPQPVSTRSHTQPTPEPSTAPSTSFLLPMGPPPAEGSTGDFALPVGLIVGVTALGLLIIGVNV
 CVIMTQVKKKPLCLQREAKVPHLPADKARGTQGPEQQHLLITAPSSSSSLESSASALDRRAPTRNQPPA
 PGVEASGAGEARASTGSSDSSPGGHGTQVNVTCIVNVCSDDHSSQCSSQASSTMGDTDSSPSESPKDEQ
 VPFKEECAFRSQLETPETLLGSTEEKPLPLGVPDAGMKPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2611_d01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001066

ORF Size: 1383 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

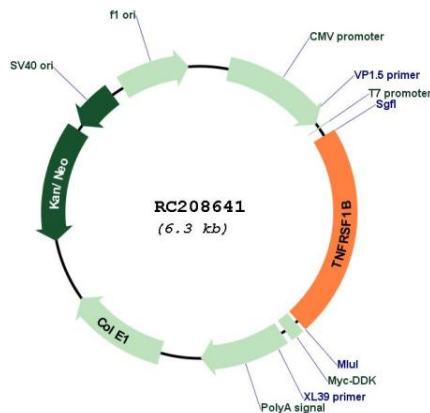
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

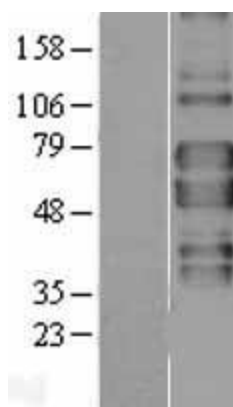
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001066.3</u>
RefSeq Size:	3682 bp
RefSeq ORF:	1386 bp
Locus ID:	7133
UniProt ID:	<u>P20333</u>
Cytogenetics:	1p36.22
Domains:	TNFR
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway, Amyotrophic lateral sclerosis (ALS), Cytokine-cytokine receptor interaction
MW:	48.29 kDa
Gene Summary:	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC208641



Western blot validation of overexpression lysate (Cat# [LY400436]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208641 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).