

Product datasheet for **RC204008**

TNFRSF1A (NM_001065) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNFRSF1A (NM_001065) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNFRSF1A
Synonyms:	CD120a; FPF; p55; p55-R; p60; TBP1; TNF-R; TNF-R-I; TNF-R55; TNFAR; TNFR1; TNFR55; TNFR60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC204008 representing NM_001065
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCCTCTCCACCGTGCCTGACCTGCTGCTGCCACTGGTGTCTCTGGAGCTGTTGGTGGGAATATACC
 CCTCAGGGGTTATTGGACTGGTCCCTCACTAGGGGACAGGGAGAAGAGAGATAGTGTGTGTCCCAAGG
 AAAATATATCCACCCTCAAATAAATTCGATTTGCTGTACCAAGTCCACAAAGGAACCTACTTGTACAAT
 GACTGTCCAGGCCCGGGGACAGGATACGGACTGCAGGGAGTGTGAGAGCGGCTCCTTCACCCTTCAGAAA
 ACCACCTCAGACACTGCCTCAGCTGCTCCAAATGCCGAAAGGAAATGGGTGAGTGGAGATCTCTTCTTG
 CACAGTGGACCGGGACACCGTGTGTGGTGCAGGAAGAACCAGTACCGGCATTATTGGAGTGAAAACCTT
 TTCCAGTGCTTCAATTGCAGCCTCTGCCTCAATGGGACCGTGCACCTCTCCTGCCAGGAGAAACAGAAC
 CCGTGTGCACCTGCCATGCAGGTTCTTTCTAAGAGAAAACGAGTGTGTCTCCTGTAGTAACTGTAAGAA
 AAGCCTGGAGTGCACGAAGTTGTGCTACCCAGATTGAGAATGTTAAGGGCACTGAGGACTCAGGCACC
 ACAGTGCTGTTGCCCTGGTCATTTTCTTTGGTCTTTGCCTTTATCCCTCCTCTTCATTGGTTTAAATGT
 ATCGCTACCAACGGTGAAGTCCAAGCTCTACTCCATTGTTTGTGGGAAATCGACACCTGAAAAAGAGGG
 GGAGCTTGAAGGAATACTACTAAGCCCCTGGCCCAAACCCAAGCTTCAGTCCCCTCCAGGCTTACC
 CCCACCCTGGGCTTCAGTCCCCTGCCAGTTCACCTTCCCTCCAGCTCCACCTATACCCCGGTGACT
 GTCCCAACTTTGCGGCTCCCCGACAGAGGTGGCACCACCTATCAGGGGGCTGACCCCATCCTTGCAGC
 AGCCCTCGCCTCCGACCCATCCCCAACCCCTTCAGAAGTGGGAGGACAGCGCCACAAGCCACAGAGC
 CTAGACACTGATACCCCGCAGCCTGTACGCCGTGGTGGAGAACGTGCCCCGTGCGCTGGAAGGAAT
 TCGTGCGGCGCTAGGGCTGAGCGACACGAGATCGATCGGCTGGAGCTGCAGAACGGGCGCTGCCTGCG
 CGAGGCGCAATACAGCATGCTGGCGACCTGGAGCGCGCACGCCGCGGCGGAGGCCACGCTGGAGCTG
 CTGGGACGCTGCTCCGCGACATGGACCTGCTGGGCTGCCTGGAGGACATCGAGGAGCGCTTTGCGGCC
 CCGCCGCCCTCCCGCCGCGCCAGTCTTCTCAGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC204008 representing NM_001065
 Red=Cloning site Green=Tags(s)

MGLSTVPDLLLPLVLELLVGIYPSGVIGLVPHLGDREKRDSVCPQGYIHPQNNSICCTKCHKGTLYN
 DCPGPGQDTCRECESGSFTAENHLRHCLSCSKCRKEMGQVEISSCTVDRDTCVCGCRKNQYRHYWSEN
 FQCFNCSLCLNGTVHLSQEQKQNTVCTCHAGFFLRENECVSCSNCKKSLECTKLCPLQIENVKGTEDSGT
 TVLLPLVIFFGCLLSLLFIFGLMYRYQRWKSLSYIVCGKSTPEKEGELEGTTTKPLAPNPSFSPTPGFT
 PTLGFSVPSSFTSSSTYTPGDCPNFAAPRREVAPPYQADPILATALASDPIPNPLQKWEDSAHKPQS
 LTDDDPATLYAVVENVPPLRWKEFVRRLLGLSDHEIDRLELQNGRCLREAYQSMLATWRRRTPRREATLEL
 LGRVLRDMDLLGLEDIEEALCGPAALPPAPSLLR

SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2642_a11.zip

Restriction Sites:

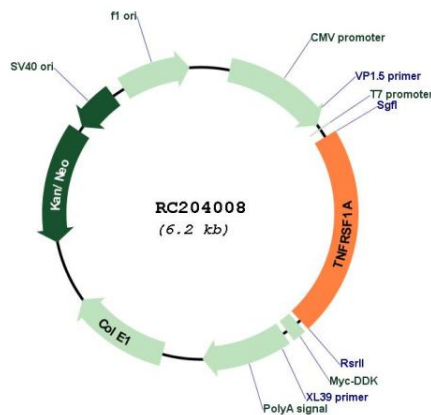
Sgfl-RsrII

Cloning Scheme:

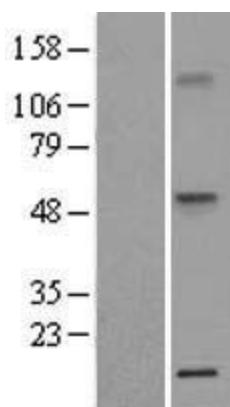

- ACCN:** NM_001065
- ORF Size:** 1365 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each 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.
- Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
- RefSeq:** [NM_001065.4](#)
- RefSeq Size:** 2236 bp
- RefSeq ORF:** 1368 bp
- Locus ID:** 7132

UniProt ID:	P19438
Cytogenetics:	12p13.31
Domains:	DEATH, TNFR
Protein Families:	Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway, Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Cytokine-cytokine receptor interaction, MAPK signaling pathway
MW:	50.49 kDa
Gene Summary:	This gene encodes a member of the TNF receptor superfamily of proteins. The encoded receptor is found in membrane-bound and soluble forms that interact with membrane-bound and soluble forms, respectively, of its ligand, tumor necrosis factor alpha. Binding of membrane-bound tumor necrosis factor alpha to the membrane-bound receptor induces receptor trimerization and activation, which plays a role in cell survival, apoptosis, and inflammation. Proteolytic processing of the encoded receptor results in release of the soluble form of the receptor, which can interact with free tumor necrosis factor alpha to inhibit inflammation. Mutations in this gene underlie tumor necrosis factor receptor-associated periodic syndrome (TRAPS), characterized by fever, abdominal pain and other features. Mutations in this gene may also be associated with multiple sclerosis in human patients. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RC204008



Western blot validation of overexpression lysate (Cat# [LY400435]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204008 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).