

Product datasheet for **RG204008**

TNFRSF1A (NM_001065) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNFRSF1A (NM_001065) Human Tagged ORF Clone
Tag:	TurboGFP
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-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204008 representing NM_001065
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCTCTCCACCGTGCCTGACCTGCTGCTGCCACTGGTGTCTCTGGAGCTGTTGGTGGGAATATACC
 CCTCAGGGGTTATTGGACTGGTCCCTCACTAGGGGACAGGGAGAAGAGAGATAGTGTGTGTCCCAAGG
 AAAATATATCCACCCTCAAATAATTTCGATTTGCTGTACCAAGTCCACAAAGGAACCTACTTGTACAAT
 GACTGTCCAGGCCCGGGGACAGGATACGGACTGCAGGGAGTGTGAGAGCGGCTCCTTACCCTTCAGAAA
 ACCACCTCAGACACTGCCTCAGCTGCTCCAAATGCCGAAAGGAAATGGGTGAGGTGGAGATCTCTTCTTG
 CACAGTGGACCGGGACACCGTGTGTGGCTGCAGGAAGAACCAGTACCGGCATTATTGGAGTGAAAACCTT
 TTCCAGTCTTCAATTGCAGCCTCTGCCTCAATGGGACCGTGCACCTCTCCTGCCAGGAGAAACAGAAACA
 CCGTGTGCACCTGCCATGCAGGTTTCTTTCTAAGAGAAAACGAGTGTGTCTCTGTAGTAACTGTAAGAA
 AAGCCTGGAGTGCACGAAGTTGTGCTACCCAGATTGAGAATGTTAAGGGCACTGAGGACTCAGGCACC
 ACAGTGTCTTGGCCCTGGTCATTTTCTTTGGTCTTTGCCTTTATCCCTCCTTTCATTGGTTTAAATGT
 ATCGCTACCAACGGTGAAGTCCAAGCTCTACTCCATTGTTTGTGGGAAATCGACACCTGAAAAAGAGGG
 GGAGCTTGAAGGAATACTACTAAGCCCTGGCCCAAACCCAAGCTTCAGTCCCACTCCAGGCTTACC
 CCCACCCTGGGCTTCACTCCCGTGGCCAGTTCACCTTCCAGTCCACCTATACCCCGGTGACT
 GTCCCACTTTGCGGCTCCCGCAGAGAGGTGGCACCACCTATCAGGGGGCTGACCCATCCTTGCAGC
 AGCCCTCGCTCCGACCCATCCCAACCCCTTCAGAAGTGGGAGGACAGCGCCACAAGCCACAGAGC
 CTAGACACTGATACCCCGCAGCTGTACGCCGTGGTGGAGAAGTGGCCCGTTCGCTGGAAGGAAT
 TCGTGGCGCCCTAGGGCTGAGCGACACGAGATCGATCGGCTGGAGCTGCAGAACGGGGCTGCCTGCG
 CGAGGCGCAATACAGCATGCTGGCGACCTGGAGGCGGCGCACCGCGGGCGGAGGCCACGCTGGAGCTG
 CTGGGACGCTGCTCCGCGACATGGACCTGCTGGGCTGCCTGGAGGACATCGAGGAGCGCTTTGCGGCC
 CCGCCGCCCTCCCGCCGCGCCAGTCTTCTCAGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204008 representing NM_001065
 Red=Cloning site Green=Tags(s)

MGLSTVPDLLLPLVLELLVGIYPSGVIGLVPHLGDREKRDSVCPQGKYIHPQNNSICCTKCHKGTLYLN
 DCPGPGQDTCRECESGSFTAENHLRHCLSCSKCRKEMGQVEISSCTVDRDTCVCGCRKNQYRHYWSEN
 FQCFNCSLCLNGTVHLSQEQKQNTVCTCHAGFFLRENECVSCSNCKSLECTKLCLPQIENVKGTEDSGT
 TVLLPLVIFFGCLLSLLF IGLMYRYQRWKS KLYSIVCGKSTPEKEGELEGT TTKPLAPNPSF SPTPGFT
 PTLGFSVPVSSFTSSSTYTPGDCPNFAAPRREVAPPYQGADPILATALASDPIPNPLQKWEDSAHKPQS
 LD TDDPATLYAVVENVPPLRWKEFVRRLLGLSDHEIDRLELQNGRCLREAQYSMLATWRRRTPRREATLEL
 LGRVLRDMDLLGCLEIDIEEALCGPAALPPAPSLLR

SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:


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.

RefSeq: [NM_001065.4](#)
RefSeq Size: 2236 bp

RefSeq ORF: 1368 bp

Locus ID: 7132

UniProt ID: [P19438](#)
Cytogenetics: 12p13.31

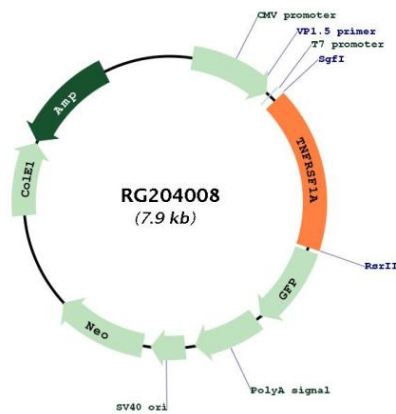
Domains: DEATH, TNFR

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

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 RG204008