

Product datasheet for SC127913

TNFRSF1A (NM_001065) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TNFRSF1A (NM_001065) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TNFRSF1A |
| Synonyms: | CD120a; FPF; p55; p55-R; p60; TBP1; TNF-R; TNF-R-I; TNF-R55; TNFAR; TNFR1; TNFR55; TNFR60 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC127913 sequence for NM_001065 edited (data generated by NextGen Sequencing) |

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ATGGGCCTCTCCACCGTGCCTGACCTGCTGCTGCCACTGGTGCTCCTGGAGCTGTTGGT
GGAATATACCCCTCAGGGTTATTGGACTGGTCCCTCACCTAGGGGACAGGGAGAAGAGA
GATAGTGTGTGTCCCAAGGAAATATATCCACCCTCAAATAATTTCGATTTGCTGTACC
AAGTGCCACAAAGGAACCTACTTGTACAATGACTGTCCAGGCCGGGAGGATACGGAC
TGCAGGGAGTGTGAGAGCGGCTCCTTCACCGCTTCAGAAAACCACCTCAGACACTGCCTC
AGCTGCTCCAAATGCCGAAAGGAAATGGGTGAGTGGAGATCTCTTCTGCACAGTGGAC
CGGGACACCGTGTGGCTGCAGGAAGAACCAGTACCGGCATTATTGGAGTGAAAACCTT
TTCCAGTGCTTCAATTGCAGCCTCTGCCTCAATGGGACCGTGCACCTCTCCTGCCAGGAG
AAACAGAACACCGTGTGCACCTGCCATGCAGGTTTCTTTCTAAGAGAAAACGAGTGTGTC
TCCTGTAGTAACTGTAAGAAAAGCCTGGAGTGCACGAAGTTGTGCCTACCCAGATTGAG
AATGTTAAGGGCACTGAGGACTCAGGCACCACAGTGTGTTGCCCTGGTCATTTCTTT
GGTCTTTGCCCTTTATCCCTCCTCTTATTGGTTAATGTATCGCTACCAACGGTGGAAAG
TCCAAGCTCTACTCCATTGTTTGTGGGAAATCGACACCTGAAAAAGAGGGGGAGCTTGA
GGAAGTACTACTAAGCCCTGGCCCAAACCAAGCTTCAGTCCCACTCCAGGCTTACC
CCCACCCTGGGCTTCAGTCCCGTGGCCAGTTCACCTTACCTCCAGTCCACCTATACC
CCCGGTGACTGTCCCACTTTGCGGCTCCCCGCAGAGAGGTGGCACCACCCTATCAGGGG
GCTGACCCCATCCTTGCAGACAGCCCTCGCCTCCGACCCCATCCCCAACCCCTTCAGAAG
TGGGAGGACAGCGCCACAAAGCCACAGAGCCTAGACACTGATGACCCCGCAGCGTGTAC
GCCGTGGTGGAGAACGTGCCCGTTGCGCTGGAAGGAATTCGTGCGGCGCCTAGGGCTG
AGCGACCACGAGATCGATCGGCTGGAGCTGCAGAACGGGCGCTGCCTGCGGAGGCGCAA
TACAGCATGCTGGCGACCTGGAGGCGGCGCACGCCGCGGCGGAGGCCACGCTGGAGCTG
CTGGGACGCGTGTCCGCGACATGGACCTGCTGGGCTGCCTGGAGGACATCGAGGAGGCG
CTTTGCGGCCCGCCGCTCCCGCCCGCCAGTCTTCTCAGATGA

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Clone variation with respect to NM_001065.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001065 unedited
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAGAATTCTCTGGACTG
 AGGCTCCAGTTCTTGGCCTTTGGGGTTCAAGATCACTGGGACCAGGCCGTGATCTCTATGC
 CCGAGTCTCAACCCTCAACTGTCACCCCAAGGCACTTGGGACGTCTGGACAGACCGAGT
 CCCGGGAAGCCCCAGCACTGCCGCTGCCACACTGCCCTGAGCCCAATGGGGGAGTGAGA
 GGCCATAGCTGTCTGGCATGGGCCTCTCCACCGTGCCTGACCTGCTGCTGCCACTGGTGC
 TCCTGGAGCTGTTGGTGGGAATATACCCCTCAGGGGTTATTGGACTGGTCCCTCACCTAG
 GGGACAGGGAGAAGAGAGATAGTGTGTGTCCCAAGGAAAATATATCCACCCTCAAATA
 ATTCGATTTGCTGTACCAAGTGCCACAAAGGAACCTACTTGTACAATGACTGTCCAGGCC
 CGGGCAGGATACGACTGCAGGGAGTGTGAGAGCGGCTCCTTACCCTTCCAGAAAACC
 ACCTCAGACACTGCCTCAGCTGCTCCAAATGCCGAAAGGAAAATGGGTGAGTGGAGATCT
 CTTCTTGACAGTGGACCGGGACACCGTGTGTGGCTGCAGGAAGAACCAGTACCGGCATT
 ATTGGAGTGAAAACCTTTTCCAGTGCTCAATTGCAGCCTCTGCCTCAATGGGACCGTGC
 ACCTCNTCTGCCAGAGAAAACAGAACACCGTGTGCACCTGCCATGCANNGTCTTTCTAA
 GAGAAACGAGTGTCTCTCTGTAGTACTGTAAGAAAAGCTGGAGTGCACGAAGTGTGCCT
 ACCCANATGAGAAAATGTAGGGGCACTGAGACTAGCACACAGNNGCTGTGCCCTGGCATT
 NTCTTGGNNCTTGCCCTTTCCTCTCATTGGNTAATGTATCGCTACACGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001065 unedited
 CGGCACGCTTTTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAGCTTT
 AACTTCAAATTTTAGTGGATGTACAAAAGTCCACAGCTCCAGCTGAAGGCCCATTTGTT
 CCGTGCTCGCCCCTGCCTTAAGACAGTTCAGCTTGCTATGTGCTTGTCCAGGCAGAGGGC
 ACAGGAGTGCCAAGTTTCTATTAGTGTAAACATGATTGATTTAAAAACAAAACAAAACAA
 AAAAAACAAAAAACTGCTTATGCACTGGGAAAAGGCTCAGGGACGAACCAGGGGCC
 CCCGAGCAGCCTTGTGGTGAAGACACCCAAAACGGGCATGAGGCATAGCGTCCCTCATC
 CTCGAAAACCACCACTCAGGCTCTTGAAGCCACGGGGCACCTTTTTTCGCGCGCACAGG
 GCTGACTGTGCGGCGCGCAAGCAGCTGAAAAAGCTATGTACATCGAGGGGTTAGCAC
 CAAGTAGGCGGCTGTAGCTCCTGCTTGCCCTGCAGGACCCCTCCTTTCCAGAAAAAAG
 TGGGGTTGGAAGGCGATCTCGCAGGACGGTCTTATAGCTGCCCGCAAGGGCGCAGCCTC
 ATCTGAGAAAAC TGGGCGGGCCGGAAGGCGGGCCGGCCCAAGCGCCTCCTCGATGT
 TCTCCAGGCAGCCCAACAAGTCCATGTGCGGAGCACGCTTCCAACAGCTTCAGCGTGG
 TCTCGCGCCGCCGCTGCGCCCTNCAAGGCGCCAGAATGCTGTATTGCGCCTCGCGCA
 GCAGGGCCGGTCTGAGCTCCAACCATCGATCTCGGGTTGCTCACCTAGCGCCGACGAA
 TTCTTACGCCAAGGGCCGTTTCCACGGGTAAGGTCGGGGCCATAATTCTAGCTTGGG
 GTTGGGCGCTTCTCCCTCTAAGGGTTGGATAGGTGGAAGCCAGCCTCCAGTAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_001065

Insert Size:

2050 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](#)

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_001065.2](#), [NP_001056.1](#)

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]

Transcript Variant: This variant (1) encodes the longest isoform (1).