

Product datasheet for **MG226545**

Tnfrsf1a (NM_011609) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfrsf1a (NM_011609) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tnfrsf1a
Synonyms:	CD120; CD120a; FPF; p5; p55; p55-R; TN; Tnf; TNF-; TNF-a; TNF-alphaR1; TNF-R; TNF-R-I; TNF-R1; TNF-R55; TNFaI; TNFalpha-R1; TNFAR; TNFR; Tnfr-2; Tnfr1; TNFR60; TNFRI; TNFRp55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226545 representing NM_011609
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTCTCCCCACCGTGCCTGGCTGCTGCTGCTCACTGGTGCTCCTGGCTCTGCTGATGGGATACATC
 CATCAGGGGTCACTGGACTAGTCCCTTCTCTGGTGACCGGGAGAAGAGGGATAGCTTGTGTCCCAAGG
 AAAGTATGTCCATTCTAAGAACAATTCCATCTGCTGCACCAAGTCCACAAAGGAACCTACTTGGTGAGT
 GACTGTCCGAGCCAGGGCGGGATACAGTCTGCAGGGAGTGTAAAAGGGCACCTTTACGGCTTCCAGAG
 ATTACCTCAGGCAGTGTCTCAGTTGCAAGACATGTGCGAAAGAAATGTCCAGGTGGAGATCTCTCCTTG
 CCAAGCTGACAAGGACACGGTGTGTGGCTGTAAGGAGAACCAGTCCAACGCTACCTGAGTGAGACACAC
 TTCCAGTGCCTGGACTGCAGCCCTGCTCAACGGCACCGTGACAATCCCCTGTAAGGAGACTCAGAACA
 CCGTGTGTAAGTCCATGCAGGGTCTTTCTGAGAGAAAAGTGTGAGTCCCTTGCAGCCACTGCAAGAA
 AAATGAGGAGTGTATGAAGTTGTGCTACCTCCTCCGCTTGCAAATGTCAAAACCCCGAGACTCAGGT
 ACTGCGGTGCTGTGCCCCCTGGTTATCTTGTAGGTCTTTGCCTTCTATCCTTTATCTTCATCAGTTAA
 TGTGCCGATATCCCCGGTGGAGGCCGAAGTCTACTCCATCATTGTAGGGATCCCGTGCCTGTCAAAGA
 GGAGAAGGCTGGAAAGCCCTAACTCCAGCCCCCTCCCAGCCTTCCAGCCCCACCTCCGGCTTCAACCCC
 ACTCTGGGCTTACGACCCCCAGGCTTTAGTTCTCCTGTCTCCAGTACCCCATCAGCCCCATCTTCGGTC
 CTAGTAACTGGCACTTTCATGCCACCTGTGAGGAGTGTCCCAACCCAGGGAGCTGACCCTCTGCTCTA
 CGAATCACTCTGCTCCGTGCCAGCCCCACCTCTGTTAGAAATGGGAAGACTCCGCCACCCGCAACGT
 CCTGACAATGCAGACCTTGCATTCTGTATGCTGTGGTGGATGGCGTGCCTCCAGCGCGCTGGAAGGAGT
 TCATGCGTTTCATGGGGCTGAGCGAGCACGAGATCGAGAGGCTGGAGATGCAGAACGGGCGCTGCCTGCG
 CGAGGCTCAGTACAGCATGCTGGAAGCCTGGCGGCCCGCACCGCGCCACGAGGACACGCTGGAAGTA
 GTGGGCCCTCGTGCTTTCCAAGATGAACCTGGCTGGGTGCCTGGAGAATATCCTCGAGGCTCTGAGAAATC
 CCGCCCCCTCGTCCACGACCCGCTCCCGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

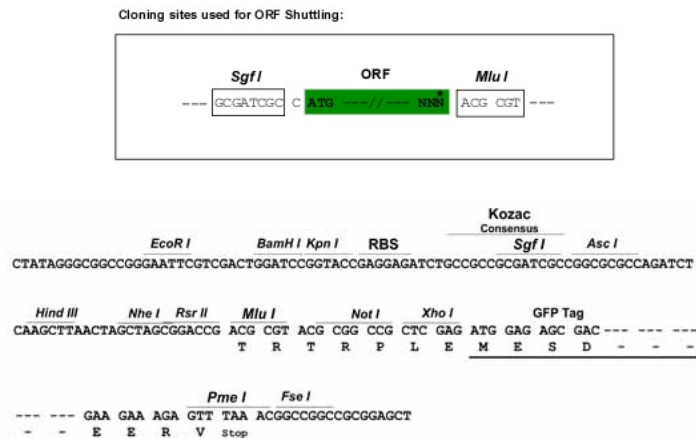
>MG226545 representing NM_011609
 Red=Cloning site Green=Tags(s)

MGLPTVPLLLSLVLLALLMGIHPSVGTGLVPSLGDREKRDSLCPQKYVHSKNNSICCTKCHKGYLVS
 DCPSPGRDVTRECEKGTFTASQNYLRQCLSKTCRKEMSQVEISPCQADKDTVCGCKENQFQRYLSETH
 FQCVDCSPCFNGTVTIPCKETQNTVCNCHAGFFLRESECVPCSHCKKNEECMKLCLPPPLANVTNPQDSG
 TAVLLPLVILLGLCLLSFIFISLMCRYPRWRPEVYSIIICRDPVPVKEEKAGKPLTPAPSPAFSPTS GFNP
 TLGFSTPGFSSPVSSTPISPIFGPSNWHFMPVSEVVPTQGADPLLYESLCSVPAPTSVQKWEDSAHPQR
 PDNADLAILYAVVDGVPPARWKEFMRFMGLSEHEIERLEMQNGRCLREAQYSMLEAWRRRTPRHEDTLEV
 VGLVLSKMNLGCLLENILEALRNPAPSSSTRLPR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_011609

ORF Size: 1362 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_011609.4](#), [NP_035739.2](#)

RefSeq Size: 2186 bp

RefSeq ORF: 1365 bp

Locus ID: 21937

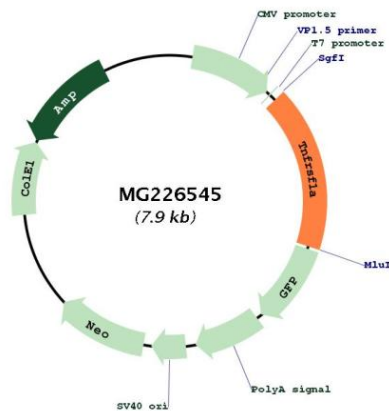
UniProt ID: [P25118](#)

Cytogenetics: 6 59.32 cM

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. Mice lacking a functional copy of this gene exhibit impaired immune function. [provided by RefSeq, Sep 2016]

Product images:



Circular map for MG226545