

Product datasheet for **MG226216**

Tnfrsf1b (NM_011610) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnfrsf1b (NM_011610) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tnfrsf1b
Synonyms:	CD120b; p75; TNF-alphaR2; TNF-R-II; TNF-R2; TNF-R75; TNFalpha-R2; TNFBR; Tnfr-1; Tnfr2; TNFR80
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226216 representing NM_011610
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCCGCCGCCCTCTGGTTCGCGCTGGTCTTCAACTGCAGCTGTGGGCCACCGGGCACACAGTGC
 CCGCCCAGGTTGTCTTGACACCCTACAAACCGGAACCTGGGTACGAGTGCCAGATCTCACAGGAATACTA
 TGACAGGAAGGCTCAGATGTGCTGTGCTAAGTGTCTCTCGCCAATATGTGAAACATTTCTGCAACAAG
 ACCTCGGACACCGTGTGTGCGGACTGTGAGGCAAGCATGTATACCCAGGTCTGGAACAGTTCGTACAT
 GTTTGAGCTGCAGTTCTTCTGTACCACTGACCAGGTGGAGATCCGCGCCTGCCTAAACAGCAGAACCG
 AGTGTGTGCTTGCGAAGCTGGCAGTACTGCGCCTTGAAAACCCATTCTGGCAGCTGTGACAGTGCATG
 AGGCTGAGCAAGTGGCCCTGGCTTCGGAGTGGCCAGTCAAGAGCCCCAAATGGAATGTGCTATGCA
 AGGCCTGTGCCCCAGGACGTTCTGACACCACATCATCCACTGATGTGTGCAGGCCCCACCGCATCTG
 TAGCATCTGGCTATTCGGAATGCAAGCACAGATGCAGTCTGTGCGCCGAGTCCCCAACTCTAAGT
 GCCATCCCAAGGACACTTACGTATCTCAGCCAGAGCCACAAGATCCCAACCCCTGGATCAAGAGCCAG
 GGCCAGCCAAACTCCAAGCATCTTACATCGTTGGGTTCAACCCCAATTATTGAACAAAGTACCAAGGG
 TGGCATCTCTTCCAATTGGTCTGATTGTTGGAGTGACATCACTGGGTCTGCTGATGTTAGGACTGGTG
 AACTGCATCATCTGGTGCAGAGGAAAAAGAAGCCCTCTGCCTACAAAGAGATGCCAAGGTGCCTCATG
 TGCTGATGAGAAATCCCAGGATGCAGTAGGCCTTGAGCAGCAGCACCTGTTGACCACAGCACCCAGTTC
 CAGCAGCAGCTCCCTAGAGAGCTCAGCCAGCGCTGGGGACCGAAGGGCGCCCCCTGGGGGCCATCCCCAA
 GCAAGAGTCATGGCGGAGGCCAAGGGTTTCAGGAGGCCCGTCCAGCTCCAGGATTTAGATTCTTCCC
 ACGGAAGCCACGGGACCCACGTCACCTGCATCGTGAACGTCTGTAGCAGCTCTGACCACAGTTC
 TCAGTGTCTTCCAAGCCAGCCACAGTGGGAGACCCAGATGCCAAGCCCTCAGCGTCCCCAAAGGAT
 GAGCAGGTCCCCTTCTCTCAGGAGGAGTCCGTCTCAGTCCCCGTGTGAGACTACAGAGACACTGCAGA
 GCCATGAGAAGCCCTTGCCCTTGGTGTGCCGGATATGGGCATGAAGCCAGCCAAGCTGGCTGTTTGA
 TCAGATTGCAGTCAAAGTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226216 representing NM_011610
 Red=Cloning site Green=Tags(s)

MAPAALWVALVFELQLWATGHTVPAQVVLTPYKPEPGYECQISQEYYDRKAQMCCAACPQYVVKHFCNK
 TSDTVCADCEASMYTQVWNQFRTCLSCSSCTTDQVEIRACTKQQRVCAACEAGRYCALKTHSGSCRQCM
 RLKCGPGFVASSRAPNGNVLCKACAPGTFSDTTSSTDVCRPHRICALAIPGNASTDAVCAPEPTLS
 AIPRTLYVSQPEPTRSQPLDQEPGPSQTPSILTSLGSTPIIEQSTKGGISLPIGLIVGVTSGLLMLGLV
 NCIIIVQRKKKPSCLQRDAKVPHVPDEKSDAVGLEQQHLLTAPSSSSSSLESSASAGDRRAPPGGHPQ
 ARVMAEAQGFQEARASSRISDSSHGSHGTHVNTCIVNVCSSSDHSSQCSSQASATVGDPAKPSASPKD
 EQVPSQEECPSPCETTETLQSHEKPLPLGVPDMGMKPSQAGWFDQIAVKVA

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja1710_a08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_011610

ORF Size: 1422 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.

RefSeq: [NM_011610.3](#), [NP_035740.2](#)

RefSeq Size: 4913 bp

RefSeq ORF: 1425 bp

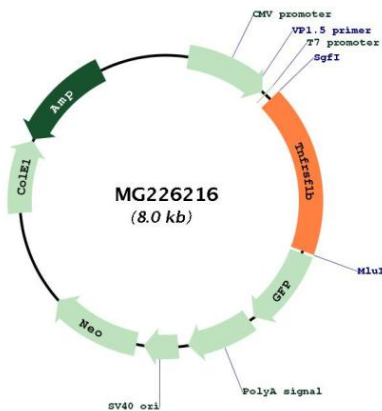
Locus ID: 21938

UniProt ID: [P25119](#)

Cytogenetics: 4 78.17 cM

Gene Summary: Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226216