

Product datasheet for **RG218511**

TNFAIP8L3 (NM_207381) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TNFAIP8L3
Synonyms:	TIPE3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218511 representing NM_207381
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAAACCACGGCAAAACCCAAGCACACTGGTTTCCACACTCTGTGAGGCAGAGCCAAAGGGGAAAC
TGTGGGTCAACGGATATGCAGGGACCAAGGCACAAGGGATGCCACGTTACAAACAAGACTCATCCCTT
ATCTTTTCATCTTCAGAGGGGAAAGGGACTTGCCGCCCGCTGTCCGCCCTGAGTGCGCCGGCGCTGCC
GAGCGCCCCGACAGCGGGCGGTGGCCGTGGACGCCAGCCAGCAGCCCGCAGCATGGATTCCGATTCCG
GGGAGCAGAGCGAGGGCGAGCCCGTGACCGCCGAGGTCTGATGTTTTAGTTCAAAGAGTCTTGCGCT
TCAAGCCCAGAAGAAGATTCTGAGCAAAATAGCCAGCAAACTGTGGCCAACATGTTGATTGATGACACC
AGCAGCGAGATCTTTGATGAGCTCTACAAAGTCACCAAGAGCACACACACAACAAGAAGGAAGCCACA
AGATCATGAAAGACTTAATCAAGGTGGCGATCAAATCGGGATCCTCTACCGGAACAACAGTTTAGCCA
AGAGGAGCTGGTTATTGTGGAGAAGTTCGGAAGAAGCTGAACCAGACCGCCATGACCATTTGTCAGCTTC
TATGAGGTGGAATACACCTTCGATAGGAACGTGCTCTCCAATCTCTGCATGAGTGCAAGGACCTGGTGC
ATGAACTGGTGCAGCGGCACCTGACGCCAGGACCCAGGGCGCATCAACCACGTCTTTAACCACCTTTCG
CGATGTGGAGTTCTCTCCACCCTCTATAGTCTGGATGGAGACTGTAGGCCAACCTCAAGAGGATTGT
GAAGGAATCAATAAGTTGCTAGATGAGAAAGTCCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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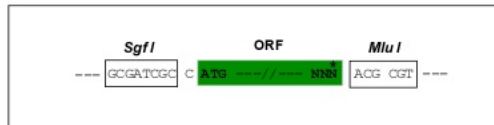
MGKPRQNPSTLVSTLCEAEPKGLWVNGYAGTQGTRDATLQTRLIPLSFHLQRGKGLAAPLSALSAPRLP
 ERPADGRVAVDAQPAARMSDSGEQSEGEPTAAGPDVFSKSLALQAQKKILSKIASKTVANMLIDDT
 SSEIFDELKVTKEHTHNKKEAHKIMKDLIKVAIKIGILYRNNQFSQEELVIVEKFRKKLNQTAMTIVSF
 YEVEYTFDRNVLNLLHECKDLVHELVRHLTPRTHGRINHVNFHADVFLSTLYSLDGDGCRPNLKRIC
 EGINKLLDEKVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCGCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT

- - E E R V Stop

ACCN: NM_207381

ORF Size: 876 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_207381.3](#), [NP_997264.2](#)

RefSeq Size: 2292 bp

RefSeq ORF: 879 bp

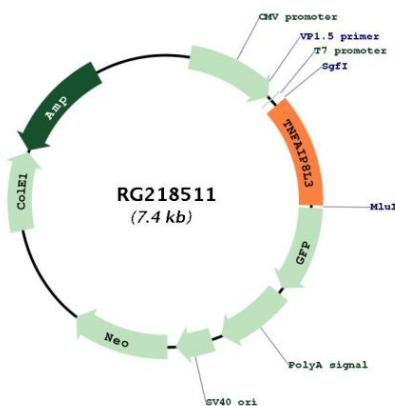
Locus ID: 388121

UniProt ID: [Q5GJ75](#)

Cytogenetics: 15q21.2

Gene Summary: Acts as a lipid transfer protein. Preferentially captures and shuttles two lipid second messengers, i.e., phosphatidylinositol 4,5- biphosphate and phosphatidylinositol 3,4,5- trisphosphate and increases their levels in the plasma membrane. Additionally, may also function as a lipid-presenting protein to enhance the activity of the PI3K-AKT and MEK-ERK pathways. May act as a regulator of tumorigenesis through its activation of phospholipid signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218511