

Product datasheet for **RC218511**

TNFAIP8L3 (NM_207381) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNFAIP8L3 (NM_207381) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNFAIP8L3
Synonyms:	TIPE3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218511 representing NM_207381 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGGGAAACCACGGCAAAACCAAGCACACTGGTTTCCACACTCTGTGAGGCAGAGCCAAAGGGGAAAC
TGTGGGTCAACGGATATGCAGGGACCAAGGCACAAGGGATGCCACGTTACAAACAAGACTCATCCCCTT
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GAGCGCCCGCAGACGGCGGGTGGCCGTGGACGCCAGCCAGCAGCCCGCAGCATGGATTCCGATTCCG
GGGAGCAGAGCGAGGGCGAGCCCGTGACCGCCGAGGTCTGATGTTTTAGTTCAAAGAGTCTTGCGCT
TCAAGCCAGAAGAAGATTCTGAGCAAAATAGCCAGCAAACTGTGGCCAACATGTTGATTGATGACACC
AGCAGCGAGATCTTTGATGAGCTCTACAAAGTCACCAAGAGCACACACAACAAGAAGGAAGCCACA
AGATCATGAAAGACTTAATCAAGGTGGCGATCAAAATCGGGATCCTCTACCGGAACAACCAAGTTTAGCCA
AGAGGAGCTGGTTATTGTGGAGAAGTTCGGAAGAAGCTGAACCAGACCGCCATGACCATTTGTCAGCTTC
TATGAGGTGGAATACACCTTCGATAGGAACGTGCTCTCCAATCTCCTGCATGAGTGCAAGGACCTGGTGC
ATGAAGTGGTGCAGCGGCACCTGACGCCAGGACCCACGGGCGCATCAACCACGTCTTTAACCACCTTGC
CGATGTGGAGTTCCTCTCACCTCTATAGTCTGGATGGAGACTGTAGGCCCAACCTCAAGAGGATTGT
GAAGGAATCAATAAGTTGCTAGATGAGAAAGTCCTT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC218511 representing NM_207381

Red=Cloning site Green=Tags(s)

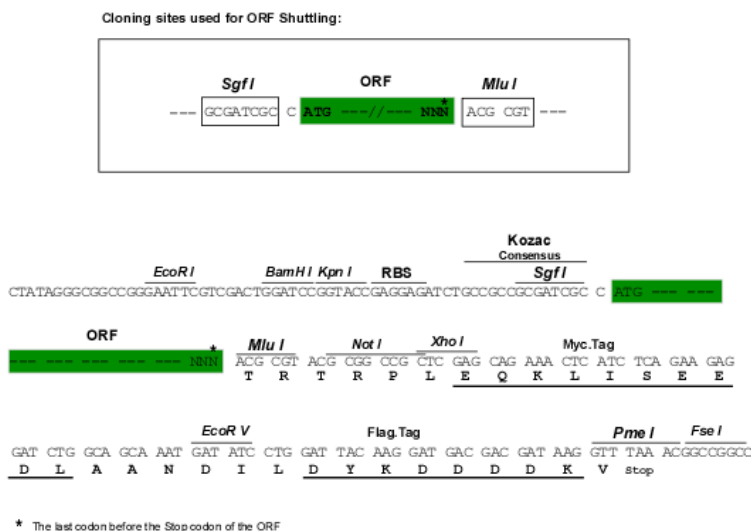
MGKPRQNPSTLVSTLCEAPEKGKLVWNGYAGTQGTRDATLQTRLIPLSFHLQRGKGLAAPLSALSAPRLP
ERPADGRVAVDAQPAARSMDSDSGEQSEGEPTAAGPDVFSKSLALQAQKKILSKIASKTVANMLIDDT
SSEIFDELKVKTEHNTNKKAEHKIMKDLIKVAIKIGILYRNNQFSQEELVIVEKFRKKLNQATMTIVSF
YVEYFTDRNLVSNLLHECKDLVHELVRHLTPRTHGRINHVFNFHADVFLSTLYSLDGDGCRPNLKRIC
EGINKLDELKVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8021_g03.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



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

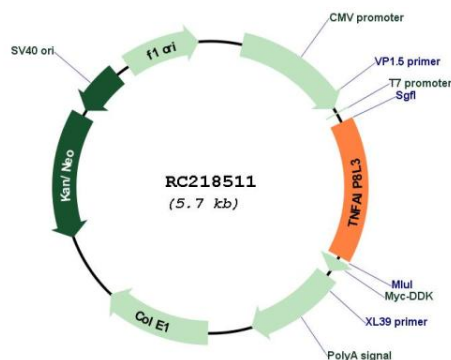
UniProt ID: [Q5GJ75](#)

Cytogenetics: 15q21.2

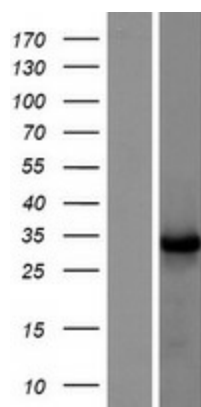
MW: 32.5 kDa

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]

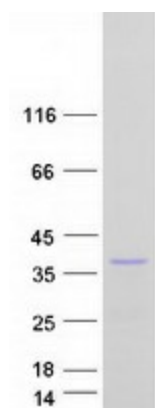
Product images:



Circular map for RC218511



Western blot validation of overexpression lysate (Cat# [LY403998]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218511 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TNFAIP8L3 protein (Cat# [TP318511]). The protein was produced from HEK293T cells transfected with TNFAIP8L3 cDNA clone (Cat# RC218511) using MegaTran 2.0 (Cat# [TT210002]).