

Product datasheet for MR220028

Tnfaip8l3 (NM_001033535) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnfaip8l3 (NM_001033535) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tnfaip8l3
Synonyms: 9930029P06Rik; Gm517
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220028 representing NM_001033535
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATTCAGATTCTGGAGAGCAGAGCGAGGGCGAGCCCGGGACTGCTGCAGGTCTCATGTGTTTGT
 CCAAGAATCTCGCCCTTCAAGCCAGAAGAAGATCCTGAGCAAGATAGCCAGCAAACACTGTGCCAACAT
 GCTGATTGATGACACCAGCAGTGAATCTTTGATGAGCTGTACAAAGTCACAGAAATACACCCACAAC
 AAGAAGGAGGCCACAAGATCATGAAGGATGCTATCAAGTGGCAATCAAATTGGCATTCTCTACCGGA
 ACAAACAGTTCAAGAGGAGTTATAATTGTGGAGAACTCCGGAAGAACTGAACCAGACTGCGAT
 GACCATGGTCAGCTTCTACGAAGTAGAGTATACCTTTGATACGAATGTGCTCTCTAAGCTTCTGCATGAG
 TGCAAGGACCTGGTACATGAACTGGTACAGCGACACTTGACACCCAGAACCCATGGACGCATAAACCATG
 TCTTCAACCACCTTGTGATGTGGAATTCCTTTCCACTCTCTATGGTCCGCATGGAACTGCAGGCCAA
 TCTCAAGAGGATTTGCGAAGGAATCAATAAATTGTTAGACGACAAGATCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220028 representing NM_001033535
 Red=Cloning site Green=Tags(s)

MDSDSGEQSEGEPTAAGPHVFSKLNALQAQKILSKIASKTVANMLIDDTSSSEIFDEL YKVTIHTHN
 KKEAHKIMKDAIKVAIKIGILYRNKQFSQEEVIVEKLRKLNQTAMTMSFYEVEYTFDTNVLSKLLHE
 CKDLVHELVRHLTPRTHGRINHFVNFADVEFLSTLYGPHGNCRPNLKRICEGINKLLDDKIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

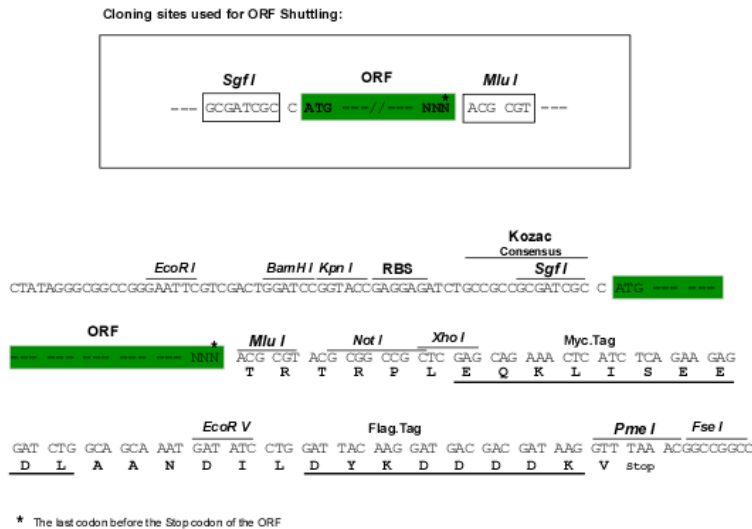


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Chromatograms: https://cdn.origene.com/chromatograms/mm9082_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033535

ORF Size: 612 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_001033535.3](#), [NP_001028707.1](#)

RefSeq Size: 2225 bp

RefSeq ORF: 615 bp

Locus ID: 244882

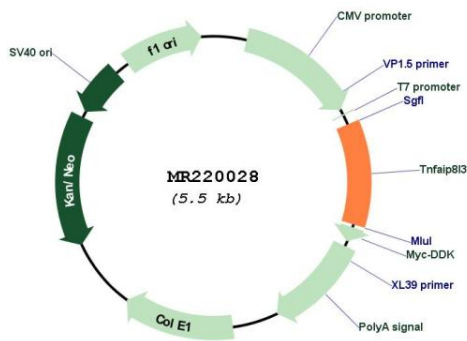
UniProt ID: [Q3TBL6](#)

Cytogenetics: 9 A5.3

MW: 23.2 kDa

Gene Summary: Acts as a lipid transfer protein. Preferentially captures and shuttles two lipid second messengers, i.e., phosphatidylinositol 4,5- bisphosphate 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 MR220028