

Product datasheet for **RR203253**

Tnfaip8l2 (NM_001014039) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnfaip8l2 (NM_001014039) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tnfaip8l2
Synonyms: RGD1310519
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203253 representing NM_001014039
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCCTTCAGCTCAAAGAGTCTGGCACTACAAGCGGAGAAGAAGCTGCTGAGTAAATGGCTGGTC
 GGTCGGTGGCGCATCTTTATCGATGAGACTAGCAGCGAGGTGCTAGACGAGCTTTACCGCGTCTCCAA
 AGAATACACGCACAGCCGGTCCAAGGCACAACGGGTGATCAAAGACCTCATCAAGGTGGCCGTC AAGGTG
 GCGGTGCTGCACCGCAGTGGCTGCTTAGCCCTGGGGAGCTGGCTCTGGCTACACGATTTGCCAGAAGC
 TCGCGCAGGGTGCATGACTGCACTTAGCTTTGGTGGAGTGGACTTCACCTTTGAGGCTGCTGTGCTAGC
 AGGTCTGCTCATCGAGTCCCGGAGATTCTGCTGGAGCTGGTGGAGCACCACCTCACACCAAGTCACAT
 GACCGCATCAGACACGTGTTGATCACTACTCTGACCCTGACCTGCTGACTGCCCTCTACGGGCCCGACT
 TCACTCAGCACCTTGACAAGATCTGTGATGGGCTCCGGAAGCTTCTAGACGAGGGGAAGCTC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203253 representing NM_001014039
 Red=Cloning site Green=Tags(s)

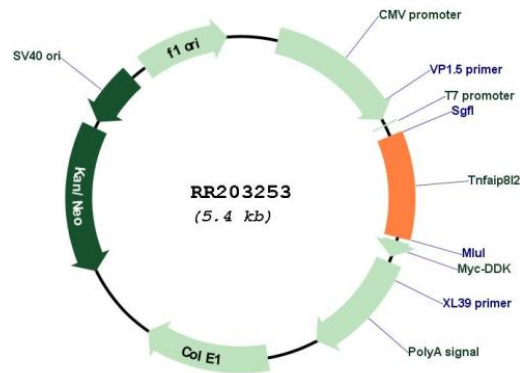
MESFSSKSLALQAEKLLSKMAGRSVAHLFIDETSSEVLDELRYRSKEYTHSRKAQRVIKDLIKVAVKV
 AVLHRSGCFSPGELALATRFQRQLRQGAMTALSFGEVDFTFEAAVLAGLLIECREILLELVEHLLTPKSH
 DRIRHVFHDYSDPDLTALYGPDFQHLDKICDGLRKLLEDEKLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001014039

ORF Size: 552 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:	<ol style="list-style-type: none">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:	<u>NM_001014039.1</u> , <u>NP_001014061.1</u>
RefSeq Size:	1433 bp
RefSeq ORF:	555 bp
Locus ID:	310663
UniProt ID:	<u>Q6AYI8</u>
Cytogenetics:	2q34
MW:	20.8 kDa
Gene Summary:	Acts as a negative regulator of innate and adaptive immunity by maintaining immune homeostasis. Negative regulator of Toll-like receptor and T-cell receptor function. Prevents hyperresponsiveness of the immune system and maintains immune homeostasis. Inhibits JUN/AP1 and NF-kappa-B activation. Promotes Fas-induced apoptosis (By similarity). [UniProtKB/Swiss-Prot Function]