

Product datasheet for **RG228821**

TNIP2 (NM_001161527) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNIP2 (NM_001161527) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TNIP2
Synonyms:	ABIN2; FLIP1; KLIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228821 representing NM_001161527 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCGGGACCCGGGGTTCGGGCGGCTGGGAGGAGGCCCGCGCGCAGCTGCCGCGCTCTGCACCCGT
ACCACGAGGCCGGACAGCGGCTGCGCCGCTGCAGGACCAGCTCGCTGCCCGGACGCCCTCATCGCTCG
CCTCCGCGCCCGCTGGCCGCGCTGGAGGGGACGCCGCGCCCTCCCTAGTGGACGCGTCTGGAGCAG
GTTGCGCGCTTCCGGGAGCAGCTGCGAAGGAGGAGGGCGGCCGCGGAGGCCAGATGCGCCAGGAAA
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CGAGCGAGAGAAGGAAGTCGTCCTGCTACGGAGGAGCATGGCAGAAGGGGAGCGCCCGGGCCGCCAGT
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TGTGTACGATCTGGCCAAGTGTCTGGATGAACGACAGCATGCACAAAGGAATGTGGGGGAGAGAAGTCC
TGACCACTCGGAACACACAGATGGGCACACCTCTGTCCAGAGTGTATTGAGAAGTTGCAGGAAGAAAAAT
CGACTGTTAAACAGAAGGTGACTCACGTTGAAGACCTCAATGCCAAGTGGCAGCGCTACAACGCCAGCA
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GGAGGAAAAGGTCGCTCTTTGCTGCACCAAGTGTCTGGAGACAGGATTCTCGAGAGCCAGACGCCGCGC
CGGATTACGCTGGGAGCAAACTGCCAAGTATTTGGCCGCCGACGATTAGAGCTTATGGTGCCTGGTG
GCTGGAGGCTGGGACTGGGTCCCAGCAGCCAGAACCCCTGCAGAGGGCGGGCATCCTGGCGCGGTCCA
GAGAGGCCAGGGGACCTTCAGTGCCCTACTGCCTGCAGTGCTTCAGTGACGAGCAAGGGGAAGAGCTC
CTCAGGCATGTGGCCGAGTGCTGCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228821 representing NM_001161527
 Red=Cloning site Green=Tags(s)

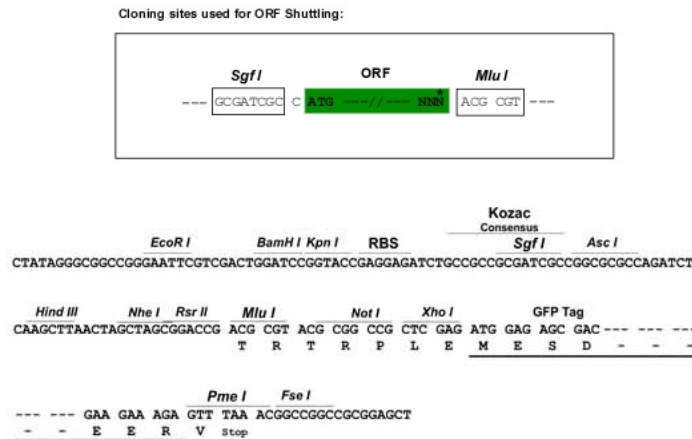
MSRDPGSGGWEEAPRAAAALCTLYHEAGQRLRRLQDQLAARDAL IARLRARLAALLEGDAAPSLVDALLEQ
 VARFREQLRRQEGGAAEAQMRQEIERL TERLEEKEREMQQLLSQPHEREKEVLLRRSMAEGERARAAS
 DVLCRSLANETHQLRRTL TATAHMCQHLAKCLDERQHAQRNVGERSPDQSEHTDGHTSVQSVIEKLQEEN
 RLLKQKVTHVEDLNAKWQRYNASRDEYVRGLHAQLRGLQIPHEPELMRKEI SRLNRQLEEKINDCAEVKQ
 ELAASRTARDAALERVQMLEQQILAYKDDFMSEADREARQSRIQELEEKVASLLHQVSWRQDSREPDAG
 RIHAGSKTAKYLAADALELMVPGGWRP GTGSQQPEPPAEGGHPGAVQRGQGLQCPHCLQCF SDEQGEEL
 LRHVAECCQ

TRTRPLE - GFP Tag - V

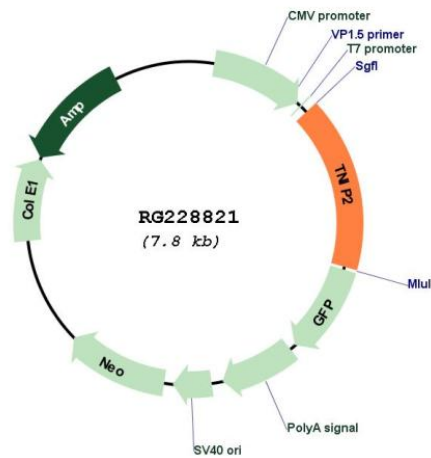
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001161527

ORF Size:	966 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:	NM_001161527.1 , NP_001154999.1
RefSeq Size:	1707 bp
RefSeq ORF:	969 bp
Locus ID:	79155
UniProt ID:	Q8NFZ5
Cytogenetics:	4p16.3
Gene Summary:	This gene encodes a protein which acts as an inhibitor of NFkappaB activation. The encoded protein is also involved in MAP/ERK signaling pathway in specific cell types. It may be involved in apoptosis of endothelial cells. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on the X chromosome.[provided by RefSeq, May 2014]