

Product datasheet for **RG211435**

AZI2 (NM_022461) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AZI2 (NM_022461) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AZI2
Synonyms:	AZ2; NAP1; TILP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211435 representing NM_022461 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGCACTGGTAGAAGATGATATCTGTATTCTGAATCATGAAAAAGCCATAAGAGAGATACAGTGA
CTCCAGTTTCAATATATTCAGGAGATGAATCTGTTGCTTCCCATTTTCTTGTCTACTGCATATGAAGA
CATCAAAAACGACTTAAGGATTCAGAGAAAGAGAAGCTTTTGTAAAGAAGAGAATAAGATTTTGGAA
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ATGCATATCGAGAGGTTTGCATTGATAGAGATAATTTGAAGAGCAAAGTGGACAAAATGAATAAAGACAA
CTCTGAATCTTTGAAAGTATTGAATGAGCAGCTACAATCTAAAGAAGTAGAACTCCTCCAGCTGAGGACA
GAGGTGGAAGCTCAGCAGGTGATGAGGAATTTAAATCCACCTTCATCAAAGTGGGAGGTGAAAAAGTTGA
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AATAGAAGTACAGAAAGCCAAACAAACGGATCCATATCAGGAAGACAATCTGAAGAGCAGAGATCTCCAA
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TGCCCCGTAGGATGCAGTGAAGACCTTGAAGAGACAGCACAAAAGTCACTTGTGATGATGAATTTACTGCA
ACATACACAAGACATCCCCCTCTTACCAAATGGCAAAGCTCTTGTGATACCATCTTCCCCTTTAC
CAGGAGATGTAAGGTTTTATCAGAGAAAAGCAATCCTCCAATCATGGACAGACAATGAGAGATCCATTCC
TAATGATGGTACATGCTTTCAGGAACACAGTCTTATGGCAGAAATTTCTGGAAGACAATTTCTGGGTA
TTTCCAAGTCTCCTAAATCAAGTGAAGACAGCATTGGGAAAGTAAAAGTAAAAGTGGCTTTACCCA
ACCTTCCACCACTGCATTACTTGGATCAACATAATCAGAAGTGCCTTTATAAGAAT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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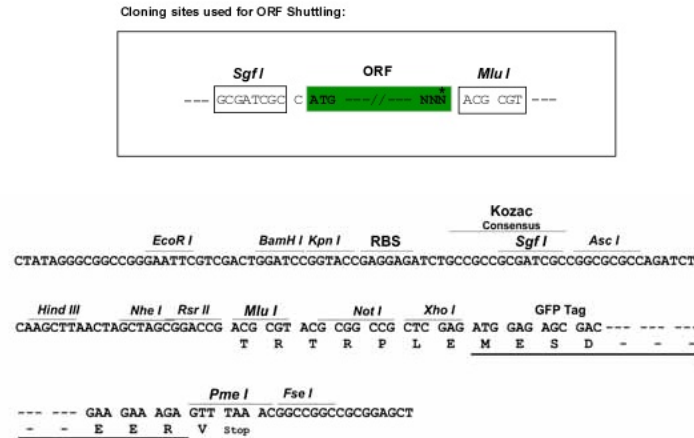
Protein Sequence: >RG211435 representing NM_022461
 Red=Cloning site Green=Tags(s)

MDALVEDDICILNHEKAHKRDTVTPVSIYSGDESVAHFALVTAYEDIKKRLKDSEKENSLLKKRIRFLE
 EKLIARFEEETSSVGREQVNKAYHAYREVCIDRDNLKSKLDKMNKDNSESLKVLNEQLQSKEVELLQLRT
 EVETQQVMRNLNPPSSNWEVEKLSCDLKIHGLEQELELMRKECSDLKIELQKAKQTDPTYQEDNLKSRDLQ
 KLSISSDNMQHAYWELKREMSNLHLVTQVQAEALLRKLKSTAIKKACAPVGCSEDLGRDSTKLHLMNFTA
 TYTRHPPLL PNGKALCHTTSSPLPGDVKVLSEKAILQSWTDNERSIPNDGTCFQEHSSYGRNSLEDNSWV
 FPSPPKSETAFGETKTKTLPLPNLPPLHYLDQHNQNCLYKN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022461

ORF Size: 1176 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_022461.5](#)

RefSeq Size: 3113 bp

RefSeq ORF: 1179 bp

Locus ID: 64343

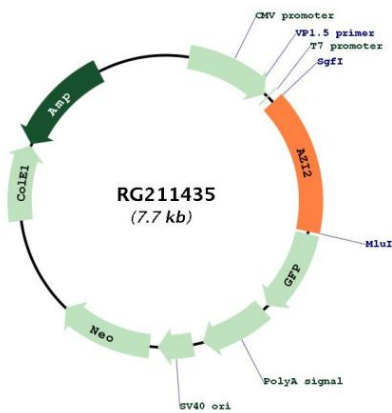
UniProt ID: [Q9H6S1](#)

Cytogenetics: 3p24.1

Protein Pathways: RIG-I-like receptor signaling pathway

Gene Summary: AZI2, or NAP1, contributes to the activation of NFkB (see MIM 164011)-dependent gene expression by activating IKK-related kinases, such as NAK (TBK1; MIM 604834) (Fujita et al., 2003 [PubMed 14560022]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG211435