

Product datasheet for **RC237142**

AZI2 (NM_001271650) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AZI2 (NM_001271650) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AZI2
Synonyms: AZ2; NAP1; TILP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237142 representing NM_001271650
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATAAAGACAACCTCTGAATCTTTGAAAGTATTGAATGAGCAGCTACAATCTAAAGAAGTAGAACTCC
TCCAGCTGAGGACAGAGGTGAAACTCAGCAGGTGATGAGGAATTTAAATCCACCTTCATCAAACCTGGGA
GGTGGAAAAGTTGAGCTGTGACCTGAAGATCCATGGTTTGAACAAGAGCTGGAAGCTGATGAGGAAAGAA
TGTAGCGATCTCAAATAGAAGTACAGAAAGCCAAACAAACGGATCCATATCAGGAAGACAATCTGAAGA
GCAGAGATCTCCAAAACTAAGCATTTCAGTGATAATATGCAGCATGCATACTGGGAAGCTGAAGAGAGA
AATGTCTAATTTACATCTGGTCAAGTACAAGCTGAAGTACTAAGAAAAGTGAAGAACTCAACTGCA
ATCAAGAAAGCCTGTGCCCTGTAGGATGCAGTGAAGACCTTGGAAAGAGACAGCAGCAAACTGCACTTGA
TGAATTTACTGCAACATACACAAGACATCCCCCTCTCTTACCAATGGCAAAGCTCTTTGTCATACCAC
ATCTTCCCCTTACCAGGAGATGTAAGGTTTTATCAGAGAAAGCAATCCTCCAATCATGGACAGACAAT
GAGAGATCCATTCCTAATGATGGTACATGCTTTCAGGAACACAGTTCTTATGGCAGAAATCTCTGGAAG
ACAATTCCTGGGTATTTCCAAGTCTCCTAAATCAAGTGAGACAGCATTGGGGAAACTAAAACAAAAC
TTTGCTTTACCCAACCTCCACCACTGCATTACTTGGATCAACATAATCAGAAGCTGCCTTTATAAGAAT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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Protein Sequence: >RC237142 representing NM_001271650
Red=Cloning site Green=Tags(s)

MNKDENSESLKVLNEQLQSKEVELLQLRTEVETQQVMRNLNPPSSNWEVEKLSCDLKIHGLEQELELMRKE
 CSDLKIELQKAKQTDPTYQEDNLKSRDLQKLSISSDNMQHAYWELKREMSNLHLVTQVQAEALLRKLKTSTA
 IKKACAPVGCSEDLGRDSTKLHLMNFTATYTRHPPLLPNGKALCHTTSSPLPGDVKVLSEKAILQSWTDN
 ERSIPNDGTCFQEHSSYGRNSLEDNSWVFPSPPKSSETAFGETKTKTLPLPNLPLHYLDQHNQNCLYKN

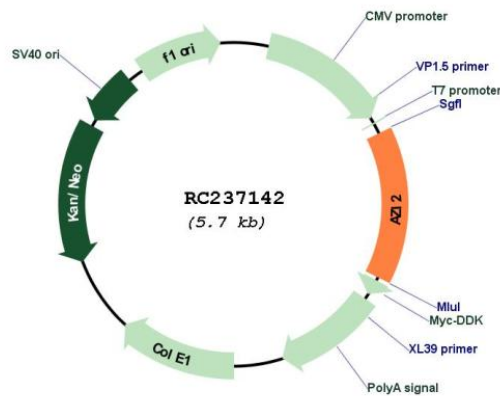
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271650
ORF Size: 840 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_001271650.2
RefSeq Size:	3474 bp
RefSeq ORF:	843 bp
Locus ID:	64343
Cytogenetics:	3p24.1
Protein Pathways:	RIG-I-like receptor signaling pathway
MW:	32.4 kDa
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]