

Product datasheet for **SC335036**

AZI2 (NM_001271650) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AZI2 (NM_001271650) Human Untagged Clone
Tag:	Tag Free
Symbol:	AZI2
Synonyms:	AZ2; NAP1; TILP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001271650, the custom clone sequence may differ by one or more nucleotides

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ATGAATAAAGACAACCTCTGAATCTTTGAAAGTATTGAATGAGCAGCTACAATCTAAAGAAGTAGAACTCC
TCCAGCTGAGGACAGAGGTGAAACTCAGCAGGTGATGAGGAATTTAAATCCACCTTCATCAAACGGGA
GGTGGAAAAGTTGAGCTGTGACCTGAAGATCCATGGTTTGAACAAGAGCTGGAAGCTGATGAGGAAAGAA
TGTAGCGATCTCAAAATAGAAGTACAGAAAGCCAAACAAACGGATCCATATCAGGAAGACAATCTGAAGA
GCAGAGATCTCAAAAATAAGCATTTCAGTATAATATGCAGCATGCATACTGGAACTGAAGAGAGA
AATGTCTAATTTACATCTGGTACTCAAGTACAAGCTGAAGTACTAAGAAAAGTAAAACCTCAACTGCA
ATCAAGAAAGCCTGTGCCCTGTAGGATGCAGTGAAGACCTTGAAGAGACAGCAGCAAAAAGTCACTTGA
TGAATTTTACTGCAACATACACAAGACATCCCCCTCTCTTACCAATGGCAAAGCTCTTTGTCATACCAC
ATCTTCCCCTTTACCAGGAGATGTAAGGTTTTATCAGAGAAAAGCAATCCTCCAATCATGGACAGACAAT
GAGAGATCCATTCTAATGATGGTACATGCTTTCAGGAACACAGTTCTTATGGCAGAAATTTCTGGAAG
ACAATTCCTGGGTATTTCCAAGTCTCCTAAATCAAGTGAAGACAGCATTGGGGAAACTAAAACAAAAC
TTTGCCTTTACCAACCTTCCACCCTGCATTACTTGGATCAACATAATCAGAACTGCCTTTATAAGAAAT
TAA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001271650
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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_001271650.1, NP_001258579.1</u>
RefSeq Size:	3474 bp
RefSeq ORF:	843 bp
Locus ID:	64343
Cytogenetics:	3p24.1
Protein Pathways:	RIG-I-like receptor signaling pathway
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) contains an alternate exon and uses an alternate splice site in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (d) is shorter than isoform a.</p>