

Product datasheet for SC112480

AZI2 (NM_022461) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AZI2 (NM_022461) Human Untagged Clone
Tag:	Tag Free
Symbol:	AZI2
Synonyms:	AZ2; NAP1; TILP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112480 sequence for NM_022461 edited (data generated by NextGen Sequencing)

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ATGGATGCACTGGTAGAAGATGATATCTGTATTCTGAATCATGAAAAAGCCATAAGAGA
GATACAGTGAAGTCCAGTTTCAATATATTAGGAGATGAATCTGTTGCTTCCCATTTTGCT
CTTGCTCACTGCATATGAAGACATCAAAAAACGACTTAAGGATTGAGAGAAAGAGAACTCT
TTGTTAAAGAAGAGAATAAGATTTTGGAAAGAAAAGCTAATAGCTCGATTTGAAGAAGAA
ACAAGTTCCGTGGGACGAGAACAAGTAAATAAGGCCTATCATGCATATCGAGAGGTTTGC
ATTGATAGAGATAATTTGAAGAGCAAAGTGGACAAAATGAATAAAGACAAGTCTGAATCT
TTGAAAGTATTGAATGAGCAGCTACAATCTAAAGAAGTAGAACTCTCCAGCTGAGGACA
GAGGTGGAAACTCAGCAGGTGATGAGGAATTTAAATCCACCTTCATCAAAGTGGGAGGTG
GAAAAGTTGAGCTGTGACCTGAAGATCCATGGTTTGGAAACAAGAGCTGGAAGTATGAGG
AAAGAATGTAGCGATCTCAAAATAGAAGTACAGAAAGCCAAACAACGGATCCATATCAG
GAAGACAATCTGAAGAGCAGAGATCTCCAAAACTAAGCATTTCAGTGATAATATGCAG
CATGCATACTGGGAACTGAAGAGAGAAATGTCTAATTTACATCTGGTGAAGTCAAGTACAA
GCTGAAGTACTAAGAAAAGTGAAGAACTCAAGTCAATCAAGAAAGCCTGTGCCCTGTG
GGATGCAGTGAAGACCTTGGAAAGAGACAGCACAAGTCAAGTCAAGTCAAGTCAAGTCAAG
ACATACACAAGACATCCCCTCTTTACCAAATGGCAAAGCTCTTTGTGATACCACATCT
TCCCCTTTACCAGGAGATGTAAGGTTTTATCAGAGAAAGCAATCCTCCAATCATGGACA
GACAATGAGAGATCCATTCCTAATGATGGTACATGCTTTTCAGGAACACAGTTCTTATGGC
AGAAATTCCTGGAAGACAATTCCTGGGTATTTCCAAGTCTCCTAAATCAAGTGAAGACA
GCATTTGGGAAACTAAAATAAACTTTGCCTTTACCCAACTTCCACCACTGCATTAC
TTGGATCAACATAATCAGAACTGCCTTTATAAGAATTAA

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Clone variation with respect to NM_022461.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022461 unedited</p> <pre>TTATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCGAATTCGGC ACGAGGCCAGAACGTCCCAGGCTCTGCGGAGTCAGAAGAAATGGGACTCCCTCCGCGAC GTGCCCGAGCAGCTCCCTTCGCTGTGGAAGCGGCGGTGTCTTCGAAGAAACCGGAAGCC CGTGGTGACCCCTGGCGACCCGGTTTGTTCGGTCCGTTTCCAAACACTAAGGAATCGA AACTCGGCGGCCCTGGGGCGGCCCTACGTAGCCTGGCTTCTGGTTGTCATGGATGCAC GGTAGAAGATGATATCTGTATTCTGAATCATGAAAAAGCCATAAGAGAGATACAGTGAC TCCAGTTTCAATATATTACAGGAGATGAATCTGTTGCTTCCATTTTGCTCTTGCTACTGC ATATGAAGACATCAAAAAACGACTTAAGGATTCAGAGAAAAGAGAAGCTTTTGTTAAAGAA GAGAATAAGATTTTTGGAAGAAAAGCTAATAGCTCGATTTGAAGAAGAAACAAGTTCCGT GGGACGAGAACAAGTAAATAAGGCCTATCATGCATATCGAGAGGTTTGCATTGATAGAGA TAATTTGAAGAGCANACTGGACANAATGAATANAGACCACTCTGAATCTTTGAAAGTATT GAATGAGCAGCTACCATCTAAGAAGTAGAACTCTCCAGCTNGAGACAGAGGTGAAAAC TCAGCAGGTGATGAGGAAATTAATCCACCTTCATCAAACCTGGGAGGTGAAAAGTTGAG CTGTGACCCTGAGATCCATGTTTTGGAACNNAGAGCTGGACTGATGNNAGAAGAATGTAN CGATCTCAAATAGAACTACAGAAAAGCCANCAAACGGTCCATATNNCAGAGACCATCTGAG AGCAGAGATCTCCAAAACCTAGCATTTCAGTGANTATTG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_022461 unedited</p> <pre>AATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTCCCAATTAGGACTTAAGGAATGTGCTGG GACAAAGTTGGCTTCAGTGATCAGGTTGTTTCAAGTCTTAAAATTCAACTTCAATTCTA AAAAAATTTTATCAACAAAACACTGTGACCAAAAAATCACTTTAAATCTTAAATATTGAA ACGCAATAGCATATAAAGATGGTATAACCTAAGATGCTTTTATTTTCAATTATTTTCAAT ATCTTTACGCATTATAACAACAGAAATGTAACTACTCACATTGCCATTTGTTCCATTAT GCAATTTGAAGAAACATGTTTTCTTTTTATTTTTATGAACAGATATTTAGACATTTTACAA TTTTGTAAAACCGTCTACAATCTCCAATTCATTCTTCTGAGAGGCCAAAATTTTACAA TTAATATAGAAGGCAGAGTTTTTTTAAACACCTTAAGTTTACTTATTAATTAGTATAGTAG CATATTTAGATTCTTAGAATATGGAGCTAGAGGGTGCTTTTCACTAGAAAACCAAC TATGTTGGTTTTTGTACTATTGTACAGTGTGTTCAAATATAGATACTGAAGACCTCTGCA NAAATTTAATCAAATCTCCTTTTCAGTTTGTAAATAATTTCTTGGGAGGACCCACTGAA GAGATAAGTGTCTCATGGTGAATCGTGAATCTTCCAAATTAATCTTAAAGGCAGTT CTGATTATGTGATCCAAGTATGCAGTGGTGAAGTTGGTAAAGGCAAGTTTAAAGTTTAAAG TTCCCAATGCTGTCTACTTGATTAAGAGACTTGAATACCCAGAATGTCTTACAGAGATT CTGCCATAGACTGTGCTCCTGAAGATGTACATCATAGAATGGACTTCATGTCTGTCCATGA TGAGATGCTTTCTGATAACCTTACTTCTGTAAGGGATATTGATGACAACTTGCATTGTA GAAAGGAGCTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_022461
Insert Size:	2060 bp
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).
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_022461.2](#), [NP_071906.1](#)

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]

Transcript Variant: This variant (1) encodes the longest isoform (a).