

Product datasheet for **MR216061**

Azi2 (NM_001048146) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Azi2 (NM_001048146) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Azi2
Synonyms: AA410145; AZ2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216061 representing NM_001048146
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACACGCTAGTAGAAGATGACATCTGCATTCTGAATCATGAAAAGGCCACAGGAGAGAGGCAGTGA
CTCCACTCTCAGCGTACCCTGGAGATGAGTCTGTTGCTTCCCATTCGCACTGGTCACTGCTTATGAAGA
CATCAAAAAGAGGCTGAAGGATTCAGAGAAAGAAAACCTCTTCTAAAGAAAAGAATCAGGGCTTTGGAA
GAAAGGCTTGTGGAGCTCGAGCAGATGAAGAAACAAGTTCTGTGGGCCGAGAACAAGTGAATAAGGCCT
ATCATGCATATCGTGAGGTTTGCATTGATAGAGACAATCTGAAGAACCAATTGGAAAAGATAAATAAAGA
CAACTCTGAATCTTTGAAAATGTTGAATGAGCAGCTACAGTCTAAAGAAGTAGAAGTCTGCAGCTAAGA
ACAGAGGTGGAGACTCAGCAGGTGATGAGGAATTTAAACCCACCCTCATCCAGCTGGGAGGTGGAGAAGC
TAAGCTGTGACTTGAAGATCCATGGTTTGGAGCAAGAGCTGGGACTACTGAGGAAGGAGTGCAGTGACCT
CAGGACAGAGCTGCAGAAGGCCAGACAGACGGTCCACCTCAGGAAGACATTCTGCAGGGCAGAGATGTC
ATCAGGCCGAGCTTGTGAGAGAAGAGCATGTTCCACACCAGGTCTTACCACAGTGATAATATGCAAC
ATGCATACTGGAACTGAAGAGGGAGATGTCTAACTTACACCTGGTGACTCAAGTGAAGCAGAAGTACT
AAGAAAACCTGAAAACCTCAGCTGCAGTCAAGAAAGGCAAGTCACTGCTAGCTGCAATGCAGACTCCAGC
CAGACTGCC

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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Protein Sequence: >MR216061 representing NM_001048146
Red=Cloning site Green=Tags(s)

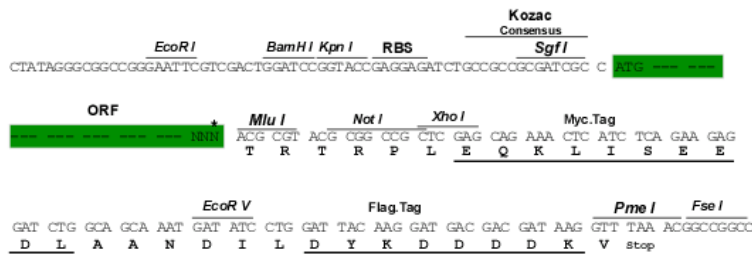
MDTLVEDDICILNHEKAHRREAVTPLSAYPGDESVAHFALVTAYEDIKKRLKDSEKENSFLKKRIRALE
 ERLVGARADEETSSVGREQVNKAYHAYREVCIDRDLNKNQLEKINKDNSESLKMLNEQLQSKEVELLQLR
 TEVETQQVMRNLNPPSSSWEVEKLSCDLKIHGLEQELGLLRKECSDLRTELQKARQTGPPQEDILQGRDV
 IRPSSLREEHVPHQGLHSDNMQHAYWELKREMSNLHLVTQVQAEALLRKLKTSAAVKKGGKSLLAANADSS
 QTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001048146

ORF Size: 849 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_001048146.2](#)

RefSeq Size: 2579 bp

RefSeq ORF: 852 bp

Locus ID: 27215

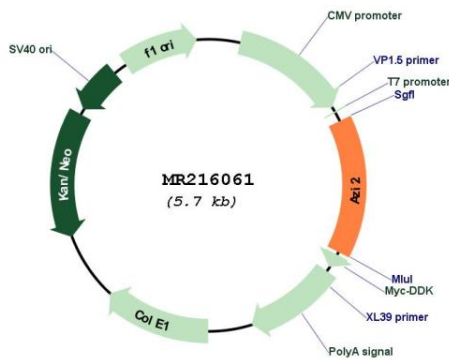
UniProt ID: [Q9QYP6](#)

Cytogenetics: 9 F3

MW: 32.8 kDa

Gene Summary: Adapter protein which binds TBK1 and IKBKE playing a role in antiviral innate immunity. Activates serine/threonine-protein kinase TBK1 and facilitates its oligomerization. Enhances the phosphorylation of NF-kappa-B p65 subunit RELA by TBK1. Promotes TBK1-induced as well as TNF-alpha or PMA-induced activation of NF-kappa-B. Participates in IFNB promoter activation via TICAM1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216061