

## Product datasheet for MR229733

### Azi2 (NM\_001286508) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Azi2 (NM_001286508) 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:	>MR229733 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACACGCTAGTAGAAGATGACATCTGCATTCTGAATCATGAAAAGGCCACAGGAGAGAGGCAGTGA  
CTCCACTCTCAGCGTACCCTGGAGATGAGTCTGTTGCTTCCCATTTCGCACTGGTCACTGCTTATGAAGA  
CATCAAAAAGAGGCTGAAGGATTCAGAGAAAGAAAACCTCTTCTAAAGAAAAGAATCAGGGCTTTGGAA  
GAAAGGCTTGTGGAGCTCGAGCAGATGAAGAAACAAGTCTGTGGGCCGAGAACAAGTGAATAAGGCCT  
ATCATGCATATCGTGAGGTTTGCATTGATAGAGACAATCTGAAGAACCAATTGGAAAAGATAAATAAAGA  
CAACTCTGAATCTTTGAAAATGTTGAATGAGCAGCTACAGTCTAAAGAAGTAGAAGTCTGCAGCTAAGA  
ACAGAGGTGGAGACTCAGCAGGTGATGAGGAATTTAAACCCACCCTCATCCAGCTGGGAGGTGGAGAAGC  
TAAGCTGTGACTTGAAGATCCATGGTTTGGAGCAAGAGCTGGGACTACTGAGGAAGGAGTGCAGTGACCT  
CAGGACAGAGCTGCAGAAGGCCAGACAGACGGTCCACCTCAGGAAGACATTCTGCAGGGCAGAGATGTC  
ATCAGGCCGAGCTTGTGAGAGAAGAGCATGTTCCACACCAGGGTCTTACCACAGTGATAATATGCAAC  
ATGCATACTGGAACTGAAGAGGGAGATGTCTAACTTACACCTGGTGACTCAAGTGAAGCAGAAGTACT  
AAGAAAACCTGAAAACCTCAGCTGCAGTCAAGAAAGCCTGTACCCCACTAGGATGTGTTGAAGACCTTGGG  
AGAGCAGCAGCAAAATTCACCTTGACAAAATTTACTGCAACTTACAAAAGACATCCCTTTGTCCACAA  
ATGGCAAAGCTCCTTGTATGCTCCGTCTTCCCCTTACCAGGAGATAGAAAGGTTTTCTCAGACAAAGC  
AGTTCTTCAGTCATGGACAGATAACGAGAGATTGGTTCCTAATGACGGTGACAGACTTCCAGAGCACAGC  
TCCTATGGGAGAAATCTCTGGAAGATAATTCCTGGGTATTCCCAAGCCCTCCTAAATCAAGTGAAGACAG  
CATTTGGTAAAAATAAAGCAAAATCTTACCTTTATCCAACCTGCCGCACTGCATTACCTGGATCAACA  
GAATCAGAAGTGCCTTTACAAAAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229733 protein sequence  
 Red=Cloning site Green=Tags(s)

MDTLVEDDICILNHEKAHRREAVTPLSAYPGDESVASHFALVTAYEDIKKRLKDSEKENSFLKKRIRALE  
 ERLVGARADEETSSVGREQVNKAYHAYREVCIDRDNLKNQLEKINKDNSESLKMLNEQLQSKEVELLQLR  
 TEVETQQVMRNLNPPSSSWEVEKLSCDLKIHGLEQELGLLRKECSDLRTELQKARQTGPPQEDILQGRDV  
 IRPSSLREEHVPHQGLHSDNMQHAYWELKREMSNLHLVTQVQAELLRKLKTSAAVKKACTPVGCVEDLG  
 RDSTKLHLTNFTATYKRHPSPSPNGKAPCYAPSSPLPGDRKVFSDKAVLQSWTDNERLVPNDGADFP EHS  
 SYGRNSLEDNSWVFPSPPKSSETAFGENKSKILPLSNLPLHYLDQQNQNCLYKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001286508

**ORF Size:** 1218 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\\_001286508.1](#), [NP\\_001273437.1](#)

**RefSeq Size:** 4549 bp

**RefSeq ORF:** 1218 bp

**Locus ID:** 27215

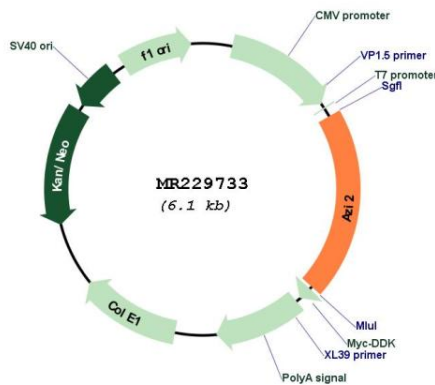
**UniProt ID:** [Q9QYP6](#)

**Cytogenetics:** 9 F3

**MW:** 46.1 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 MR229733