

## Product datasheet for **MG216061**

### **Azi2 (NM\_001048146) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Azi2 (NM\_001048146) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Azi2  
**Synonyms:** AA410145; AZ2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG216061 representing NM\_001048146  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGACACGCTAGTAGAAGATGACATCTGCATTCTGAATCATGAAAAGGCCACAGGAGAGAGGCAGTGA  
CTCCACTCTCAGCGTACCCTGGAGATGAGTCTGTTGCTTCCCATTCGCACTGGTCACTGCTTATGAAGA  
CATCAAAAAGAGGCTGAAGGATTCAGAGAAAGAAAACCTCTTCTAAAGAAAAGAATCAGGGCTTTGGAA  
GAAAGGCTTGTGGAGCTCGAGCAGATGAAGAAACAAGTTCTGTGGGCCGAGAACAAGTGAATAAGGCCT  
ATCATGCATATCGTGAGGTTTGCATTGATAGAGACAATCTGAAGAACCAATTGGAAAAGATAAATAAAGA  
CAACTCTGAATCTTTGAAAATGTTGAATGAGCAGCTACAGTCTAAAGAAGTAGAAGTCTGCAGCTAAGA  
ACAGAGGTGGAGACTCAGCAGGTGATGAGGAATTTAAACCCACCCTCATCCAGCTGGGAGGTGGAGAAGC  
TAAGCTGTGACTTGAAGATCCATGGTTTGGAGCAAGAGCTGGGACTACTGAGGAAGGAGTGCAGTGACCT  
CAGGACAGAGCTGCAGAAGGCCAGACAGACGGTCCACCTCAGGAAGACATTCTGCAGGGCAGAGATGTC  
ATCAGGCCGAGCTTGTGAGAGAAGAGCATGTTCCACACCAGGTCTTACCACAGTGATAATATGCAAC  
ATGCACTGGAAGTGAAGAGGAGATGTCTAACTTACACCTGGTGACTCAAGTGAAGCAGAAGTACT  
AAGAAAAGTGAAGAACTCAGCTGCAGTCAAGAAAGGCAAGTCACTGCTAGCTGCAATGCAGACTCCAGC  
CAGACTGCC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**



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**Protein Sequence:** >MG216061 representing NM\_001048146  
 Red=Cloning site Green=Tags(s)

MDTLVEDDICILNHEKAHRREAVTPLSAYPGDESVAHFALVTAYEDIKKRLKDSEKENSFLKKRIRALE  
 ERLVGARADEETSSVGREQVNKAYHAYREVCIDRDNLKNQLEKINKDNSESLKMLNEQLQSKEVELLQLR  
 TEVETQQVMRNLNPPSSSWEVEKLSCDLKIHGLEQELGLLRKECSDLRTELQKARQTGPPQEDILQGRDV  
 IRPSSLREEHVPHQGLHSDNMQHAYWELKREMSNLHLVTQVQAE LLRKLKTSAAVKKGSLLAANADSS  
 QTA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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

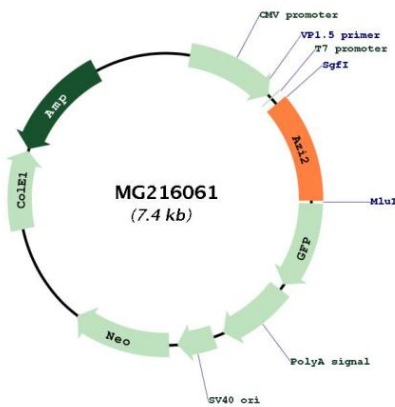
**Locus ID:** 27215

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

**Cytogenetics:** 9 F3

**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 MG216061