

Product datasheet for **MR228116**

Azi2 (NM_001286507) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Azi2 (NM_001286507) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Azi2
Synonyms: AA410145; AZ2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228116 representing NM_001286507
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGAGGAATTTAAACCCACCCTCATCCAGCTGGGAGGTGGAGAAGCTAAGCTGTGACTTGAAGATCC
ATGTTTTGGAGCAAGAGCTGGGACTACTGAGGAAGGAGTGCAGTGACCTCAGGACAGAGCTGCAGAAGGC
CAGACAGACGGGTCCACCTCAGGAAGACATTCTGCAGGGCAGAGATGTCATCAGGCCGAGCTTGTGAGA
GAAGAGCATGTTCCACACCAGGGTCTTACCACAGTGATAATATGCAACATGCATACTGGAACTGAAGA
GGGAGATGTCTAACTTACACCTGGTGACTCAAGTGCAAGCAGAACTACTAAGAAAACCTGAAACCTCAGC
TGCAGTCAAGAAAGTTGTCAACTCATCCACACCAGAGAATCCACTAAAATCCAAACAGCTGGGCACACCT
GGGAGCCATGTTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228116 representing NM_001286507
Red=Cloning site Green=Tags(s)
MMRNLNPPSSSWEVEKLSDDLKIHGLEQELGLLRKECSDLRTELQKARQTGPPQEDILQGRDVIRPSLSR
EEHVPHQGLHSDNMQHAYWELKREMSNLHLVTQVQAE LLRKLKTSAAVKKGCQLIHTENPLKSKQLGTP
GSHVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

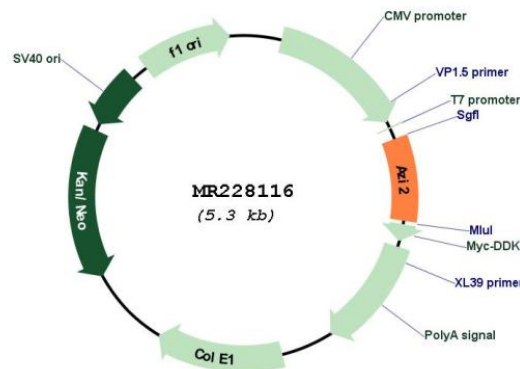
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001286507

ORF Size: 435 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.

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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_001286507.1, NP_001273436.1</u> |
| RefSeq Size: | 1911 bp |
| RefSeq ORF: | 438 bp |
| Locus ID: | 27215 |
| UniProt ID: | <u>Q9QYP6</u> |
| Cytogenetics: | 9 F3 |
| MW: | 17 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] |