

Product datasheet for **MC225905**

Azi2 (NM_001286507) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Azi2 (NM_001286507) Mouse Untagged Clone
Tag: Tag Free
Symbol: Azi2
Synonyms: AA410145; AZ2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225905 representing NM_001286507
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGAGGAATTTAAACCCACCCTCATCCAGCTGGGAGGTGGAGAAGCTAAGCTGTGACTTGAAGATCC
ATGTTTTGGAGCAAGAGCTGGGACTACTGAGGAAGGAGTGCAGTGACCTCAGGACAGAGCTGCAGAAGGC
CAGACAGACGGGTCCACCTCAGGAAGACATTCTGCAGGGCAGAGATGTCATCAGGCCGAGCTTGTGAGA
GAAGAGCATGTTCCACACCAGGGTCTTACCACAGTGATAATATGCAACATGCATACTGGGAACTGAAGA
GGGAGATGTCTAACTTACACCTGGTGACTCAAGTGCAAGCAGAAGCTACTAAGAAAAGCTGAAAACCTCAGC
TGCAGTCAAGAAAGTTGTCAACTCATCCACCCGAGAATCCACTAAAATCCAAACAGCTGGGCACACCT
GGGAGCCATGTTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAAGCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001286507

Insert Size: 438 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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</u> , <u>NP_001273436.1</u>
RefSeq Size:	1911 bp
RefSeq ORF:	438 bp
Locus ID:	27215
UniProt ID:	<u>Q9QYP6</u>
Cytogenetics:	9 F3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in both UTR's and the coding region but maintains the reading frame, compared to variant 1. This results in a protein that has shorter N-terminus and distinct C-terminus, compared to isoform a.</p>