

Product datasheet for **RR205746**

Azi2 (NM_001025705) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Azi2 (NM_001025705) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Azi2
Synonyms: MGC112644
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205746 representing NM_001025705
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGACACACTGGTAGAAGATGACATCTGCATTCTGAATCATGAGAAGGCCACAAAAGAGAGGCAGTGA
CCCCACTCTCAGCGTATCCTGGAGATGAGTCTGTTGCTCCCATTTTGCCTGGTCACTGCTTATGAAGA
CATCAAGAAGAGACTTAAGGATTCAGAGAAAGAAAACCTCTTCTAAAGAAAAGAATAAGGGCTTTGGAA
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ACCACGCTTACCGGGAGGTTTGCATCGACAGAGACAACCTGAAGAGCAGACTGGAGAAGATAAGTAAAGA
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ACTGAGGTGGAGACGCAGCAGGTGATGAGGAATTTAAATCCACCCTCGTCCAAGTGGGAGGTGGAAAAGC
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ATCAGGCCGAGCTTCCGAGGGAAGAGCACGTTCCACACCAGGGCCCTCACCACAGTGACCACATGCAGC
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TACGGGAGAAATCTCTGGAAGATAACTCCTGGGTATTCCCAAGCCCTCCTAAATCAAGTGAAGACAGCAT
TTGGTGAAGTAAAAGCAAAATCTTACCTTACCCAACCTGCCACCCCTGCATTACCTGGATCAGACAA
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AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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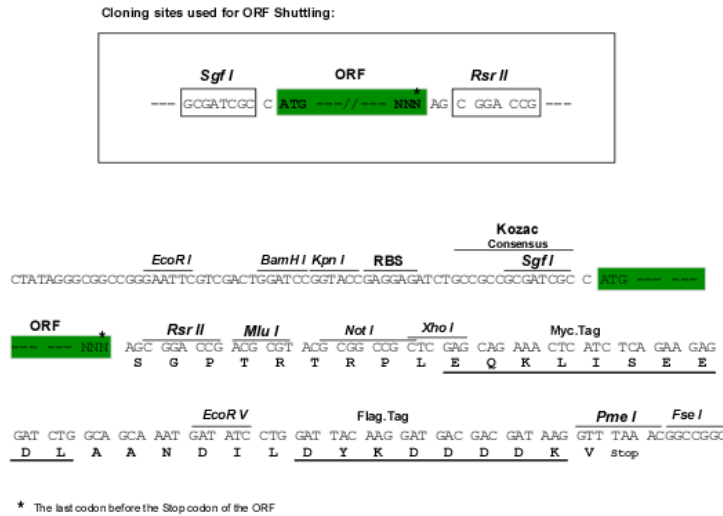
Protein Sequence: >RR205746 representing NM_001025705
Red=Cloning site Green=Tags(s)

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 TEVETQQVMRNLNPPSSNWEVEKLSCDLKIHGLEQELELLRKECSDLRTELQKARQTGPSQEDILQDRDV
 IRPSLPREEHVPHQGPHHSDHMQHAYWELRREMANLHLVTRVQAE LLRQLKTAAGKACTQVGCVEDLGR
 DSAKLHLANCTAAYKRHPPLSPHGKATCYAPPSTLPGDRKAFSDKAVLQSWTDNERLTPNDGADFQEHNS
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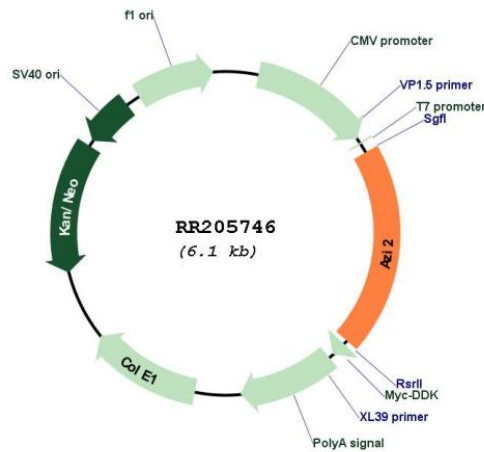
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025705

ORF Size:	1212 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:	<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:	NM_001025705.1 , NP_001020876.1
RefSeq Size:	2017 bp
RefSeq ORF:	1215 bp
Locus ID:	316051
UniProt ID:	Q4KMA0
Cytogenetics:	8q32
MW:	46 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 (By similarity).[UniProtKB/Swiss-Prot Function]