

Product datasheet for RN205746

Azi2 (NM_001025705) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Azi2 (NM_001025705) Rat Untagged Clone
Tag: Tag Free
Symbol: Azi2
Synonyms: MGC112644
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205746 representing NM_001025705
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGACACACTGGTAGAAGATGACATCTGCATTCTGAATCATGAGAAGGCCACAAAAGAGAGGCAGTGA
 CCCCACTCTCAGCGTATCCTGGAGATGAGTCTGTTGCTCCCATTTTGGCCCTGGTCACTGCTTATGAAGA
 CATCAAGAAGAGACTTAAGGATTCAGAGAAAGAAAACCTCTTCTAAAGAAAAGAATAAGGGCTTTGGAA
 GAAAAGCTTGTGGAGCTCGAGTAGAAGAAGAAACAAGTTCTGTGGGCCGAGAACAAGTGAACAAGGCCT
 ACCACGCTTACCGGGAGGTTTGCATCGACAGAGACAACCTGAAGAGCAGACTGGAGAAGATAAGTAAAGA
 CAACTCGGAGTCTTGAGAGCGCTGACCGAGCAGCTGCAGTGTAAAGAAGTAGAGCTCCTGCAGCTCAGA
 ACTGAGGTGGAGACGCAGCAGGTGATGAGGAATTTAAATCCACCCTCGTCCAACCTGGGAGGTGGAAGC
 TAAGCTGTGACTTGAAGATCCATGGTTTGAACAAGAGCTGGAACACTGAGGAAAGAATGTAGTGACCT
 CAGAACAGAGCTACAGAAAGCCAGACAGACGGGTCCATCTCAGGAAGACATTCTGCAGGACAGAGATGTC
 ATCAGGCCGAGCTTGCCGAGGGAAGAGCACGTTCCACACCAGGGCCCTCACCACAGTGACCACATGCAGC
 ACGCGTACTGGGAGCTGAGGAGGGAGATGGCTAACCTACACCTGGTACTCGGGTGAAGCCGAGCTGCT
 CAGACAGCTGAAGACGGCAGCTGCGGGCAAAGCCTGTACCCAAGTGGATGTGTTGAAGACCTTGGGAGA
 GACAGCGCAAAATTGCACTTGGCAAATTGACTGCAGCTTACAAAAGACATCCCCCTTTGTCACCACATG
 GCAAAGCTACGTGTTATGCTCCACCCTCACTTTACCAGGAGATAGGAAGGCTTTCTCAGACAAAGCAGT
 TCTTCAGTCATGGACAGACAACGAGAGACTGACTCCTAATGACGGTGCAGACTTTCAGGAGCACAACCTCC
 TACGGGAGAAATCTCTGGAAGATAACTCCTGGGTATTCCAAGCCCTCCTAAATCAAGTGAAGACAGCAT
 TTGGTGAAGTAAAAGCAAAATCTTACCTTACCCAACCTGCCACCCCTGCATTACCTGGATCAGACAA
 TCAGAAGTGCCTGTACAAAAGT**TAA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001025705
Insert Size:	1215 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).
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_001025705.1</u> , <u>NP_001020876.1</u>
RefSeq Size:	2017 bp
RefSeq ORF:	1215 bp
Locus ID:	316051
UniProt ID:	<u>Q4KMA0</u>
Cytogenetics:	8q32
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]