

Product datasheet for **MG206364**

Azi2 (NM_013727) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Azi2 (NM_013727) 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: >MG206364 representing NM_013727
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACACGCTAGTAGAAGATGACATCTGCATTCTGAATCATGAAAAGGCCACAGGAGAGAGGCAGTGA
 CTCCTACTCTCAGCGTACCCTGGAGATGAGTCTGTTGCTTCCCATTTGCACTGGTCACTGCTTATGAAGA
 CATCAAAAAGAGGCTGAAGGATTCAGAGAAAGAAAACCTCTTCTAAAGAAAAGAATCAGGGCTTTGGAA
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 CAACTCTGAATCTTTGAAAATGTTGAATGAGCAGCTACAGTCTAAAGAAGTAGAAGTCTGCAGCTAAGA
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 TCCTATGGGAGAAATCTCTGGAAGATAATTCCTGGGTATTCCCAAGCCCTCTAAATCAAGTGAGACAG
 CATTTGGTGAATAAAAAGCAAATCTTACCTTTATCCAACCTGCCGCCACTGCATTACCTGGATCAACA
 GAATCAGAAGTGCCTTTACAAAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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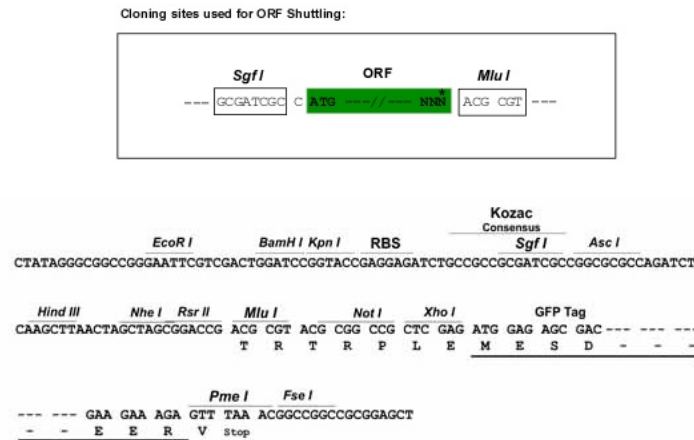
MDTLVEDDICILNHEKAHRREAVTPLSAYPGDESVAHFALVTAYEDIKKRLKDSEKENSFLKKRIRALE
 ERLVGARADEETSSVGREQVNKAYHAYREVCIDRDNLKNQLEKINKDNSESLKMLNEQLQSKEVELLQLR
 TEVETQQVMRNLNPPSSSWEVEKLSCDLKIHGLEQELGLLRKECSDLRTELQKARQTGPPQEDILQGRDV
 IRPSLSREEHVPHQGLHSDNMQHAYWELKREMSNLHLVTQVQAELLRKLTSAAVKKACTPVGCCVEDLG
 RDSTKLHLTNFTATYKRHPSLSPNGKAPCYAPSSPLPGDRKVFSDKAVLQSWTDNERLVPNDGADFP EHS
 SYGRNSLEDNSWVFPSPPKSSETAFGENKSKILPLSNLPLHYLDQQNQNCLYKS

TRTRPLE - GFP Tag - V

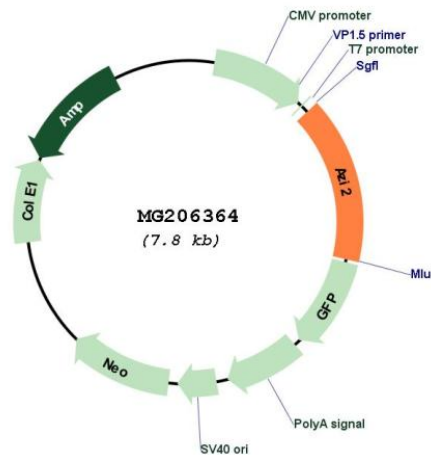
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_013727

ORF Size:	1215 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_013727.4
RefSeq Size:	3464 bp
RefSeq ORF:	1218 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]