

Product datasheet for **MG215619**

Ifi202b (NM_011940) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Ifi202b
Synonyms:	Ifbip-1; Ifi202; Ifi202a; p202
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG215619 representing NM_011940
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAACCGTAACCTAAGGTCATCTACCAACTCAGAATTTCTGAGGGTCAACATCAGACCCCTTCCA
 GTGATTCATCTGGCCATGGGGAGGATCAACCTCAAGCCTCTCTGGACCTAACAAAAAGTCACACACCCC
 AAAAAAGAACATTAGCAAAGGTGCTGTTCTTCATGAGAAACCCATGACAGTGATGGTACTACTGCAACA
 GAACATTTAATTATAAAGAGGGAAAAGAGAACATGTTTCATGCTACAGTGGCTACAGAGAGCCAATATT
 ACCGTGTGAAAGTTTTCAACATGGACTTGAAAGAGAAGTTCACAGAAAAATAATTTATTACCATTTCCAA
 ATACTTCAACAGCAGTGGCATCTAGAGATCAATGAAACTGCCACTGTGTGAGAGGCTGCTCCTAACCAA
 ATTATTGAAGTGCCAAAAATATTATCAGAAGTCAAAAAGAACTCTTAAGATCTCTAAAATTAAGAAC
 TTGATTCTGGAACACTGATTTATGGTGTGTTGTCAGTAGAGAAGAAAAAGTGAATGATAAAAGTATAAC
 CTTCAAAATAAAAGATAATGAAGATAATATAAAAGTGGTGTGGGATAAAAAACAGCACAATATCAACTAT
 GAGAAAAGGAGATAAACTCCAACCTCTTCTCCTTTACCTGAGAAAAGGAAATGGGAAACCAATATTACACT
 CTGAAAATCACAGTTTCATCAAGGGAGAAAAGCTACTAAAAGAATCTTTTGAAGGGGATGGTTACCACAA
 AGGTCCCAACAAGTGGTGGCATTGAAAGCAACAAAATTTTACTTATGATAGTATAAAAAAGTAAAAAG
 ATGTTCCATGCCACAGTGGCTACTGATACAGAATCTTCAGAGTATGGTCTTCGAGGAAAAACCTAGAGA
 AAAAGTTTATCCCGGAAACACCATTGCTTTATCAGATTATTTTGGTATGTATGGGTCTCTGGCAATACA
 TGAATATCCAGCGTGTCTGAGGTGAAGAGCCAAAAAAGGAAGACTCAAGTTCATCAGATGAAAGACTC
 ATAGAACATCTTAAAATTTGTGATCTTCACTTGCAACAAAAGAAAGGCTGGTTGATGGAGAGTTTAAAG
 TATACAGGAAAAGTACCGAAATAATTGTATATGCTATGGAATTTGGGATGATACAGGAGCAATGAAAGT
 GGTGGTATCTGGACAACCTGACCAAGTCAACTGTGAGATTGGTAATACAATTAGACTTGTCTGCTTTGAA
 TTGACCTCAAATGCAGATGAGTGGTTTCTGAGATCTACGAGGTACAGTTACATGGAGGTCATCATGCCTG
 AAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215619 representing NM_011940
 Red=Cloning site Green=Tags(s)

MSNRNRSSTNSEFSEGHQTPSSDSSGHGEDQPQASPGPNKKSHTPKKNIKSGAVLHEKPMVMVLTAT
 EPFNYKEGKENMFHATVATESQYYRVKVFNMDLKEKFTENKFITISKYFNSSGILEINETATVSEAAPNQ
 IIEVPKNIIRSAKETLISKIKELDSGLIYGVFAVEKKKVNDKSITFKIKDNEDNIKVVWDKQHNINY
 EKGDKLQLFSFHLRKNGKPIHSGNHSFIKGEKLLKESFEGDGYHKGPKQVVALKATKLFYDSIKSKK
 MFHATVATDTEFFRVMVFEENLEKKFIPGNTIALSDYFGMYGLAIHEYSSVSEVKSQNKEDSSSSDERL
 IEHLKICDLHLQTKERLVDGEFKVYRKSTGNNCICYGIWDDTGAMKVVVSGQLTSVNCEIGNTIRLVCFE
 LTSNADEWFLRSTRYSYMEVIMPEK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_011940

ORF Size: 1335 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:

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.

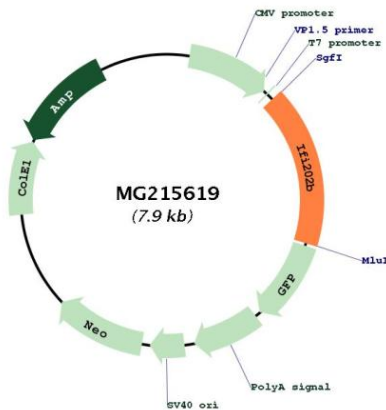
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_011940.2](#), [NP_036070.2](#)

RefSeq Size:	1793 bp
RefSeq ORF:	1338 bp
Locus ID:	26388
UniProt ID:	Q9R002
Cytogenetics:	1 H3

Gene Summary: Inhibits the transcriptional activity of several transcription factors, including NF-kappa-B p50 and p65, FOS, JUN, E2F1, E2F4, MYOD1 and myogenin. Has anti-apoptotic effects due to inhibition of the transcriptional activity of p53. Binds dsDNA in the cytosol. Is involved in innate immune response and has anti-inflammatory activity. Inhibits caspase activation in response to cytosolic DNA and inhibits the activation of the AIM2 inflammasome, probably by sequestering cytoplasmic DNA and preventing its being bound by AIM2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215619