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Product datasheet for MG216160

Ifi214 (NM_001024721) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifi214 (NM_001024721) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ifi214
Synonyms:	p214; Pyhin-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG216160 representing NM_001024721
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGAATGAATACAAGAGAATTGTTCTTCTGACAGGATTAATGGGTATTAATGACCATGATTTTAGAA
TGGTTAAGTCCTTGTTGAGCAAAGAATTAAAACTAAATAAAATGCAAGATGAATACGACAGAGTTAAGAT
TGCTGATTTGATGGAAGACAAGTTCCCAAAAGATGCTGGAGTGGTCCAACTGATAAAACTATATAAGCAG
ATTCCAGGACTTGGAGACATTGCTAATAAACTCAAAAATGAGAAGGCAAAAGCTAAAAGGAAAGGGAAAG
GGAAACGGAAAACCGCAGCAAAAAGACAAAGGCAAGAAGAACCCAGTACTTCCCAACCTATGTCCACCAC
AAATGAAGATGCAGAACCAGAATCAGGGAGGAGTACACCTGACACACAGGTTGCTCAGTTATCTTTACCA
ACTGCTTCCCGAAGGAACCAAGCCATTCAAATTTCTCCAACAATAGCATCCAGCAGTGGTCAGACCAGCA
GCAGATCTTCAGAAACATTACAAAGCATCATTCAGTCCCCCGAAACTCCAACAAGATCATCCAGCAGGAT
TCTGGACCCTCCAGTGTCTCCAGGAACAGCATATAGCAGTGCCCAGGCACTTGGAGTTCTTCTAGCAACA
CCAGCCAAGGTCATCAAAGCTAGGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

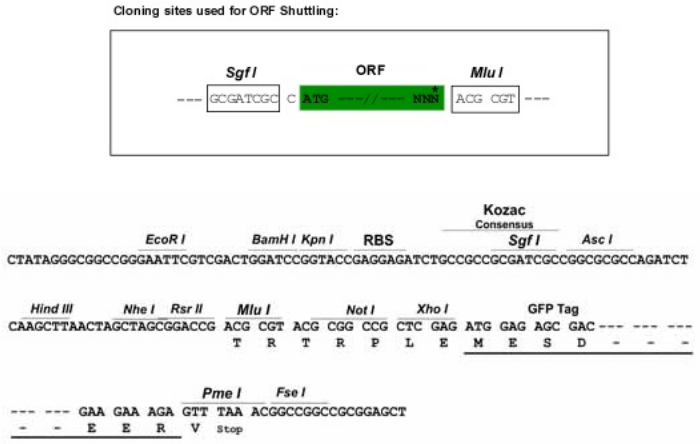
>MG216160 representing NM_001024721
Red=Cloning site Green=Tags(s)

MVNEYKRIVLLTGLMGINDHDFRMVKSLLSKELKLNKMQDEYDRVKIADLMEDKFPKDAGVVQLIKLYKQ
IPGLGDIANKLKNEKAKAKRKGKGKRKTAAKRQRQEEPSTSQPMSTTNEDAEPESGRSTPDTQVAQLSLP
TASRRNQAIQISPTIASSSGQTSSRSSETLQSIIQSPETPTRSSSRILDPPVSPGTAYSSAQALGVLLAT
PAKVIKARN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001024721

ORF Size: 657 bp

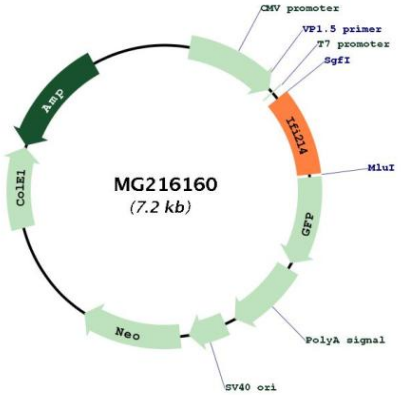
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001024721.2, NP_001019892.2
RefSeq Size:	1294 bp
RefSeq ORF:	660 bp
Locus ID:	545384
UniProt ID:	Q504N7
Cytogenetics:	1 H3
Gene Summary:	This gene encodes a protein that is a member of the PAAD/DAPIN/Pyrin domain family of proteins. However, compared to the related pyrin and HIN domain family, member 1 (Pyhin1) protein, this protein is C-terminally truncated and lacks a HIN domain, which has an unknown function. It is therefore possible that this gene represents a pseudogene of the Pyhin1 gene, but it is currently being retained as a functional protein-coding gene based on the presence of an intact PAAD/DAPIN/Pyrin domain. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MG216160