

Product datasheet for **MR216160**

Ifi214 (NM_001024721) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ifi214 (NM_001024721) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ifi214
Synonyms: p214; Pyhin-B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216160 representing NM_001024721
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAATGAATACAAGAGAATTGTTCTTCTGACAGGATTAATGGGTATTAATGACCATGATTTTAGAA
TGGTTAAGTCCTTGTGAGCAAAGAATTAAGCTAAATAAAATGCAAGATGAATACGACAGAGTTAAGAT
TGCTGATTTGATGGAAGACAAGTTCCCAAAGATGCTGGAGTGGTCCAAGTATAAACTATATAAGCAG
ATTCCAGGACTTGAGACATTGCTAATAAACTCAAAAATGAGAAGGCAAAAGCTAAAAGGAAAGGAAAG
GAAACCGAAAACCGCAGCAAAAAGACAAGGCAAGAAGAACCAGTACTTCCCAACCTATGTCCACCAC
AAATGAAGATGCAGAACCAGAATCAGGGAGGAGTACACCTGACACACAGGTTGCTCAGTTATCTTTACCA
ACTGTTCCCGAAGGAACCAAGCCATTCAAATTTCTCAACAATAGCATCCAGCAGTGGTCAGACCAGCA
GCAGATCTTCAGAAACATTACAAAGCATCATTAGTCCCGGAAACTCCAACAAGATCATCCAGCAGGAT
TCTGGACCCTCCAGTGTCTCCAGGAACAGCATATAGCAGTGCCGAGGCACTTGGAGTTCTTCTAGCAACA
CCAGCCAAGGTCATCAAAGCTAGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216160 representing NM_001024721
Red=Cloning site Green=Tags(s)

MVNEYKRIVLLTGLMGINDHDFRMVKSLLSKELKLNKMQDEYDRVKIADLMEDKFPKDAGVVQLIKLYKQ
 IPGLGDIANKLKNEKAKAKRKGKGRKTAARQRQEEPSTSQPMSTTNEAEPESSGRSTPDTQVAQLSLP
 TASRRNQAIQISPTIASSSGQTSSRSSETLQSIIQSPETPTRSSSRILDPPVSPGTAYSSAQLGVLLAT
 PAKVIKARN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1652_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001024721

ORF Size: 657 bp

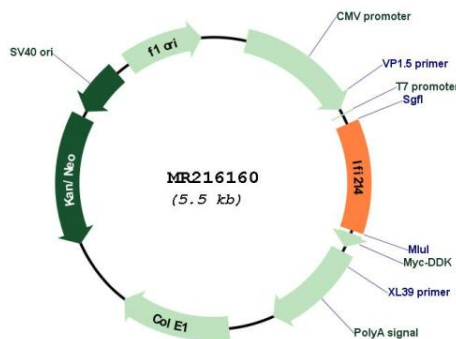
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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.
- RefSeq:** [NM_001024721.2](#), [NP_001019892.2](#)
- RefSeq Size:** 1294 bp
- RefSeq ORF:** 660 bp
- Locus ID:** 545384
- UniProt ID:** [Q504N7](#)
- Cytogenetics:** 1 H3
- MW:** 24.4 kDa
- 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 (Pycin1) 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 Pycin1 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 MR216160