

## Product datasheet for MC215099

### Ifi214 (NM\_001024721) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ifi214 (NM_001024721) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ifi214
Synonyms:	p214; Pyhin-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC215099 representing NM_001024721 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGAATGAATACAAGAGAATTGTTCTTCTGACAGGATTAATGGGTATTAATGACCATGATTTTAGAA  
TGGTTAAGTCCTTGTGAGCAAAGAATTAAGCTAAATAAAATGCAAGATGAATACGACAGAGTTAAGAT  
TGCTGATTTGATGGAAGACAAGTCCCAAAGATGCTGGAGTGGTCCAAGTATAAACTATATAAGCAG  
ATTCAGGACTTGAGACATTGCTAATAAACTCAAAAATGAGAAGCAAAAGCTAAAAGGAAAGGGAAAG  
GAAACCGAAAACCGCAGCAAAAAGACAAGGCAAGAAGAACCAGTACTTCCCAACCTATGTCCACCAC  
AAATGAAGATGCAGAACCAGAATCAGGGAGGAGTACACCTGACACACAGGTTGCTCAGTTATCTTTACCA  
ACTGCTTCCCGAAGGAACCAAGCCATTCAAATTTCTCCAACAATAGCATCCAGCAGTGGTCAGACCAGCA  
GCAGATCTTCAGAAACATTACAAAGCATCATTAGTCCCGGAAACTCCAACAAGATCATCCAGCAGGAT  
TCTGGACCCTCCAGTGTCTCCAGGAACAGCATATAGCAGTGCCCGAGGCACTTGGAGTTCTTCTAGCAACA  
CCAGCCAAGGTCATCAAAGCTAGGAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja2265_a06.zip">https://cdn.origene.com/chromatograms/ja2265_a06.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001024721
Insert Size:	660 bp



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**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](mailto: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](#)

**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

**Gene Summary:** This gene encodes a protein that is a member of the PAAD/DAPIN/Pyrim domain family of proteins. However, compared to the related pyrim 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/Pyrim domain. [provided by RefSeq, Jul 2008]