

Product datasheet for **MR209548**

Ifi204 (BC010546) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifi204 (BC010546) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ifi204
Synonyms:	Ifi16; p204
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209548 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGAATGAATACAAGAGAATTGTTCTGCTGAGAGGACTTGAATGTATCAATAAGCATTATTTTACGCT
 TATTTAAGTCATTGCTGGCCAGAGATTTAAATCTGGAAAAGAGACAACCAAGCAATACACCACGATTCA
 GATTGCTAACATGATGGAAGAGAAATTTCCAGCTGATTCTGGATTGGGCAAACCTGATTGAGTTTTGTGAA
 GAAGTACCAGCTCTAGAAAACGAGCTGAAATTTAAAAAGAGAGATCAGAAGTAACAGGAGAAACAT
 CACTGGAAAAAATGGTCAAGAAGCAGGCTCTGCAACACCTACATCAACTACAAGCCACATGTTAGCATC
 TGAAAGAGGCGAGACTTCTGCAACCCAGGAAGAGACTTCCACAGCTCAGGCGGGGACTTCCACAGCTCAG
 GCGAGGACTTCCACAGCTCAGGCGAGGACTTCCACAGCTCAGGAGGGGACTTCCACAGCCAGAAAAGAA
 AAAGTATGAGAGAAGAAGAGACTGGAGTAAAAAGAGCAAGGCGGCTAAGGAACCAGATCAGCCTCCCTG
 TTGTGAAGAACCACAGCCATGTGCCAGTACCAATACTCCACAGCTCATCTTCGGTTCATCTAACATT
 CCTTCGGCTAAGAACCAAAAATCACAACCCAGAATCAGAATATTTCCAGAGGTGCTGTTCTCCACTCAG
 AGCCCCGACAGTGATGGTGCTCACTGCAACAGACCCATTTGAATATGAATCACCAGAACATGAAGTAAA
 GAACATGCTTCATGCTACAGTGGCTACAGTGAGCCAGTATTTCCATGTGAAAAGTTTTCAACATCACTTG
 AAAGAAAAGTTTCAAAAAAGAAATTTTATCATCATATCCAATTACTTTGAGAGCAAAGGCATCCTGGAGA
 TCAATGAGACTTCTCTGTGTTAGAGGCTGCTCCTGACCAATGATTGAAGTGCCCAACAGTATTATCAG
 AAATGCAAATGCAAGTCTAAGATCTGTGATATCAAAGGGTACTTCTGGAGCAGTGTCTATGGAGTG
 TTTACATTACACAAGAAAACAGTGAACCGAAAGAACAACATCTATGAAAATAAAGATGGTTCAGGAAGCA
 TAGAAGTGGTGGGAGTGGAAAATGGCACAACATCAACTGCAAGGAAGGAGATAAACTCCACCTCTTCTG
 CTTTCACCTGAAAACAATTGACAGGCAACCAAGTTAGTGTGTGGAGAACACAGTTTCATCAAGATATCA
 AAGAGAGGAAATGTACCAAGGAGCCTGCTAAGGAAGAAGATCACCATCATGGTCCCAACAAGTATGG
 TGCTGAAAGTAACAGAACCATTTACATATGACCTGAAAGAGGATAAAAAGAAATGTTTCATGCTACCGTGGC
 TACTGAAACTGAGTTCTCAGAGTGAAGGTTTTGACACAGCTCTAAAGAGCAAGTTCATCCCAAGAAAT
 ATCATTGCCATATCAGATTATTTGGGTGCAATGGGTTTTCTGGAGATATACAGAGCTTCTGTGTCTCTG
 ATGTGAACGTTAATCCAACAATGGTTATCTCAAATACACTGAGACAAAGAGCTAATGCAACTCCTAAAAT
 TTCTTATCTTTTCTACAAGCAAGGGGACATTTGTGAGTGGAGAGTACTTAGTAATAAGAAAACGGAG
 AGGAATAAATTTACTATGGAATTGGAGATGATACAGGGAAAATGGAAGTGGTGGTTATGGAAGAC
 TCACCAATGTGAGGTGTGAACCAGGCAGTAACTAAGACTTGTCTGCTTTGAATTGACTTCCACTGAAGA
 TGGGTGGCAGCTGAGGTCTGTAAGGCACAGTTACATGCAGGTCATCAATGCTAGAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209548 protein sequence
 Red=Cloning site Green=Tags(s)

MVNEYKRIVLLRGLCEINKHYFSLFKSLRLARDLNLERDNQEYTTIQIANMEEKFPADSGLGKLEIFCE
 EVPALRKRAEILKKERSEVTGETSLEKNGQEAGPATPTSTSHMLASERGETSATQEETSTAQAGTSTAQ
 ARTSTAQARTSTAQEGTSTAQKRKSMREEETGVKKSAAKEPDQPPCCEPTAMCQSPILHSSSSASSNI
 PSAKNQKSQPQNIPRGAVLHSEPLTVMVLTATDPFEYESPEHEVKNMLHATVATVSQYFHVKVFNINL
 KEKFTKKNFIIISNYFESKGILEINETSSVLEAAPDQMIEVPNSIIRNANASPKICDIQKGTSGAVFYGV
 FTLHKKTVNRKNTIYEIKDGSISIEVVGSGKWHNINCKEGDKLHLFCFLKTIIDRQPKLVCGEHSFKIS
 KRGNVPKEPAKEEDHHGPKQVMVLKVTEPFTYDLKEDKRMFHATVATETEFFRVKVFDTALKSKFIPRN
 IIAISDYFGCNGFLEIYRASCVSDVNVNPTMVISNTRLRQRANATPKISYLSQARGTFVSGEYLVNKKTE
 RNKFIYYGIGDDTGKMEVVVYGRLLTNVRCEPGSKLRLVCFELTSTEDGWQLRSVRHSYMQVINARK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC010546

ORF Size: 1878 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.

RefSeq: [BC010546](#), [AAH10546](#)

RefSeq Size: 2296 bp

RefSeq ORF: 1880 bp

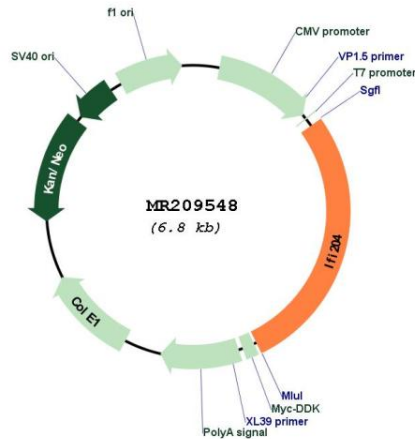
Locus ID: 15951

Cytogenetics: 1 80.63 cM

MW: 70.2 kDa

Gene Summary: Inhibits the transcription of ribosomal RNA. May inhibit DNA binding by UBTF. Inhibits cell growth via p53/TP53 and RB1-dependent and independent pathways. Acts as a coactivator of RUNX2 during osteogenesis. May be involved in macrophage differentiation. Enables skeletal muscle and cardiac myocyte differentiation by sequestering Id proteins in the cytosol and promoting their ubiquitination and subsequent degradation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209548