

Product datasheet for **MR220044**

Ifi44l (NM_031367) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifi44l (NM_031367) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ifi44l
Synonyms:	H-28; H28; H28-1; NS1178
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220044 representing NM_031367
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGTGACAGCCAGATTGACATGGATAGAAGAGAAGATTCTGAAAAGCTGCTTGGGAACGCATCAT
 TGACTCTCTTTATCAGTCCAGTGCTCATAAAAATTGTGTTTCTGAGATGACTCAGAAAATTCTCTTCA
 GGGATCCACAATGACAGTATTTACCTAGAGAAAAGATGTTGTTGTGGGTGTTTTATACTGGAGAATTTT
 CCTAGGTTAGTCTCTGAAAAGCCATGTACTTGTGCGTGGTTTTTCATTA AAAAGGAATAATAGTTCTGGAA
 TATCAGCTTTGTTTTGAACACAAAAGTAATAGTTGACTCTGAAGAGCTGATAATTTTCTCACTCGATGG
 TTTGCTCACTCAGTGTGACTCCACTTAGAGGCTTACACTTGCTCTAAATGATACAGTAATGAACGGTCTA
 GAACTCAATCTTGGACATGGCTTCTACCTGTGGAATGTGAAATCTTTCGAGTTGATGGCATTAAAGAAA
 ATCCAAGCTTCATAAAGAAGATGGTGACCGCCGAACAGCACCGAGGAAAATTACTCTGCTCTCAGAGC
 CTACAAGCCTTAAGGACCTGGTTTCAGAAGGTTTCGATTCTCTTGGTGGGCCAGTAGGCTCAGGGAA
 AGTCGAGCTTTTTCAACTCAGTGAAGTCTGCTTTCGAAGCCACCTAACTCGCCAGGCCATTGTGGGG
 GGTCTGACGAAAAGCAGTATCACCAAGCAGTACAGAGTTTATTCTATTAAGATGGAAAAAGCGGGGAAAC
 ACTCCATTTATGCTGTGTGATTCAATGGGGCTGGAGGAGGGGAGGAAGCCGGGCTGTGCATAGATGAC
 ATTCCTCATATCTTACAAGGCTGTGTACCAGACAGGATCAGTTCAACCCCTGTGAGCCGATGAAGCCGA
 AGCACTCCCTCACGCCGCTCTCCGCCCTGAAGGACAGGATCACTGCGTGGCTTTTGTCTACACAT
 CAACTCTGTTAATACACTATCTGATAAAATGGTGGCAAAGCTGAAAAAATTCGCAAAGATGTAGTAGAC
 TGTGGTATAGGATATGTAGCCTTGCTTACAAATGTGGAGGAGTATGATGAAGTCTTGATGACAGTTTTG
 CAAACATGACAGAACTGTGACTTCTTAAGCCAGGTTTCAGAATGTCCAAAAATGGCTAAATATTCCTAT
 AGCCAATATCTTGATGGTCAGCAATTATGCTTCAGAGCGAAGGTTGGAGCCTATGAAGGATATTCTGGTC
 TTTGCTGCTCTCAGGCAGATGTTGAGGGCTGCGGATGATGCCTTAGAGGACTTGCTTCTCGAGGATACTG
 GTAACCTGGCTCCTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220044 representing NM_031367
 Red=Cloning site Green=Tags(s)

MKVTARLTWIEEKILEKLLGNASLTLQSSAHKNCVSEMTQKYSLQGSTMVTFHLEKDVVGVFIFLENF
 PRLVSEKPCTCAWFLKRNSSGISALFLNTKVIDSEELIIFSLDGLSLSVTPLRGFTLALNDTVMNGL
 ELNLGHGFLPVECEIFRVDGIKKNPSFIKMMVTAEQHRGKLLSALRAYKPYKDLVSEGSYSLGGPSRLRE
 SRAFSTQWKSFAFGHLTRQAHCGGSDSESSITKQYRVYSIKDGKSETLPFMLCDSMGLEEGEEAGLCIDD
 IPHILQGCVPDRYQFNPCPEMPKPKHSPAASPLKDRIHCVAFVHLHINSVNTLSDKMVAKLKIRKDVVD
 CGIGYVALLTNVEEYDEVLDDSFANMTETVTSLSQVQNVQKWLNIPIANILMVSNYASERRLEPMKDILY
 FAALRQMLRAADDALEDLLEDLGNLAPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_031367

ORF Size: 1347 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: [NM_031367.1](#), [NP_112735.1](#)
RefSeq Size: 2279 bp

RefSeq ORF: 1350 bp

Locus ID: 15061

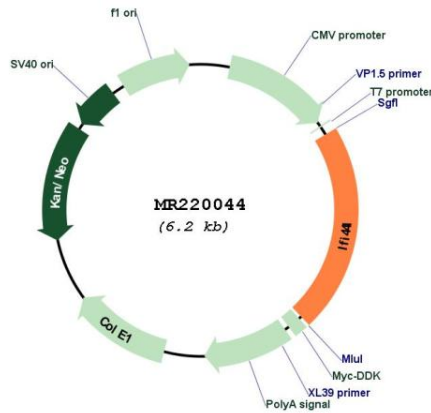
UniProt ID: [Q9BDB7](#)

Cytogenetics: 3 76.94 cM

MW: 50.5 kDa

Gene Summary: This gene encodes a minor histocompatibility antigen that is involved in tissue graft rejection and is polymorphic in different mouse strains. The 5' region of this gene, including the translational start codon and the first 293 amino acids, is absent from the C57BL/6J genome. The encoded antigen is not thought to be expressed in C57BL/6J. [provided by RefSeq, Mar 2013]

Product images:



Circular map for MR220044