

Product datasheet for **MC211040**

Ifi35 (NM_027320) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ifi35 (NM_027320) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ifi35
Synonyms: 2010008K16Rik; AW986054; ifi-35; IFP35
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211040 representing NM_027320
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTGTGACCCTGCAAACCTGTCCTCTACAGTCTTCAGGAGGAGCAAGCCAGGCTCAAGATGAGGCTGC
AGGAGCTGCAGCAGCTCAAAGGGAGCGCACAGGCTCTCCGGAGCCAAGATCCCATTCTCAGTACCTGA
AGTTCTCTGGTATTCCAAGGCCAAACTAAGCAGGGCAGGCAAGTGCCCAAGTTTGTAGTTTCTAACTTG
AAGGTCTGCTGCCCTCTGCCTGAAGTTCTGCTCTGGTCACTTTGAGGACCCCAAAGTGGTTGATCGGT
TGCTACAACAAAAGGAACACAGAGTTAACTTAGAGGACTGCCGGTGCAGGTCCAGCCCTTGGA
GCTGCCTGTGGTGACCAACATTCAGGTGTCCAGCCAGCCAGATAACCACAGGGTGCCTGTTAGTGGTTTT
CCTGCTGGACTTAGGCTGAGTGAAGAGAACTGTTGGACAAGCTGGAGATCTTCTTTGGCAAGGCCAAGA
ATGGAGGTGGGGATGTAGAGACCCGGGAGATGCTGCAAGGGACCGTCATGCTAGGGTTTGCCTGATGAAGA
AGTGGCCAGCACTTATGCCAGATTGGCCAGTTCAGAGTCCCAGTGGACCGGCAGCAGGTCTCTGAGG
GTCTCTCCCTATGTGAGTGGTGAGATCCAGAAAGCCGAGATCAAATTCAGCAAGCCCTCATTCACTGTC
TGGTGACAAATATTCTGATGTCATGGATGCCAGGAACTGCATGACATCCTTGAGATCCACTTCCAGAA
GCCCACTCGTGGGGCGGGGAGGTGGAGCCCTGACAGTTGTGCCTTCAGGGCAGCAGGGCTGGCTATC
TCACTTCCGAGTCAAGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027320
Insert Size: 861 bp



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_027320.4 , NP_081596.1
RefSeq Size:	1360 bp
RefSeq ORF:	861 bp
Locus ID:	70110
UniProt ID:	Q9D8C4
Cytogenetics:	11 D
Gene Summary:	Acts as a signaling pathway regulator involved in innate immune system response (PubMed:29350881). In response to interferon IFN-alpha, associates in a complex with transcriptional regulator NMI to regulate immune response; the complex formation prevents proteasome-mediated degradation of IFI35 and correlates with IFI35 dephosphorylation (By similarity). In complex with NMI, inhibits virus-triggered type I interferon/IFN-beta production (By similarity). In complex with NMI, negatively regulates nuclear factor NF-kappa-B signaling by inhibiting the nuclear translocation, activation and transcription of the NF-kappa-B subunit p65/RELA, resulting in the inhibition of endothelial cell proliferation, migration and re-endothelialization of injured arteries (PubMed:29350881). Beside its role as an intracellular signaling pathway regulator, also functions extracellularly as damage-associated molecular patterns (DAMPs) to promote inflammation when actively released by macrophage to the extracellular space during cell injury and pathogen invasion (By similarity). Macrophage-secreted IFI35 activates NF-kappa-B signaling in adjacent macrophages through Toll-like receptor 4/TLR4 activation, thereby inducing NF-kappa-B translocation from the cytoplasm into the nucleus which promotes the release of proinflammatory cytokines (By similarity). [UniProtKB/Swiss-Prot Function]