

Product datasheet for **MC200316**

Ifitm2 (BC002160) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ifitm2 (BC002160) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ifitm2
Synonyms:	mil-3, fragilis3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	<p>>BC002160</p> <p>GTTCTAGATCGCGAGCGGCCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCATGAGCCACAATTCTCAAG CCTTCTTGTCACCAATGCCGGCTTCTCCAAGCTATGAGACAATCAAAGAGGAGTACGGGTGACTGA GCTGGGGAAACCCAGCAACTCAGCTGTTGTGAGGACCACCGTGATCAACATGCCAGAGAGGTGTCGGTG CCTGACCATGTGGTCTGGTCCCTGTTCAATACACTCTTCTTCAACGCCTGCTGCCTGGGCTTCGTTGCCT ATGCCTACTCTGTGAAGTCTAGGACAGGAAGATGGTGGGCGATGTGGTTGGAGCCAGGCCTACGCCTC CACTGCCAAGTGCCTGAATATCAGCTCCCTGATCTTCAGCATCCTTATGGTCATTATCTGCATCATTATT TTCTCTACCACCTCTGTGGTAGTCTTTCAGTCTTTTGCACAAAGAACACCCCATCTGGATTCTAGCTGC CCTGTGCTCCACGGTCCACATCTGCCCCGCCCTGCCCGCCCCAGGCTCAAGCCTCGACCCTTACCC TACGCGTATGCAAATGTTACCTTACCTATCTGTCCACAGTGGATTCAATAAAGTGCACGGGTGGCAAC TCTGAAAAAAAAAAAAAAAAAAAA</p>
Restriction Sites:	RsrII-NotI
ACCN:	BC002160
Insert Size:	435 bp
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).



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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: [BC002160](#), [AAH02160](#)

RefSeq Size: 652 bp

RefSeq ORF: 435 bp

Locus ID: 80876

Cytogenetics: 7 F5

Gene Summary: IFN-induced antiviral protein which inhibits the entry of viruses to the host cell cytoplasm, permitting endocytosis, but preventing subsequent viral fusion and release of viral contents into the cytosol. Active against multiple viruses, including influenza A virus, SARS coronavirus (SARS-CoV), Marburg virus (MARV) and Ebola virus (EBOV), Dengue virus (DENV) and West Nile virus (WNV). Can inhibit: influenza virus hemagglutinin protein-mediated viral entry, MARV and EBOV GP1,2-mediated viral entry and SARS-CoV S protein-mediated viral entry. Induces cell cycle arrest and mediates apoptosis by caspase activation and in p53-independent manner.[UniProtKB/Swiss-Prot Function]