

Product datasheet for **MR200854**

Ifitm3 (NM_025378) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ifitm3 (NM_025378) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ifitm3
Synonyms: 1110004C05Rik; Cd225; Cdw217; DSPA2b; Fgls; IP15; mil-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200854 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCACACTTCTCAAGCCTTCATCACCGCTGCCAGTGGAGGACAGCCCCAACTACGAAAGAATCA
 AGGAAGAATATGAGGTGGCTGAGATGGGGCACCGCACGGATCGGCTTCTGTGAGAACTACTGTGATCAA
 CATGCCAGAGAGGTGTCGGTGCCTGACCATGTGGTCTGGTCCCTGTTCAATACACTCTTCATGAATTC
 TGCTGCCTGGCTTCATAGCCTATGCCTACTCCGTGAAGTCTAGGGATCGGAAGATGGTGGGTGATGTA
 CTGGAGCCAGGCTACGCCTCCACTGCTAAGTGCCTGAACATCAGCACCTTGGTCTCAGCATCCTGAT
 GGTGTTATCACCATTGTTAGTGTATCATCATATTGTTCTTAACGCTCAAACCTTCACACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200854 protein sequence
 Red=Cloning site Green=Tags(s)

MNHTSQAFITAASGGQPPNYERIKEEYEVAEMGAPHGSASVRTTVINMPREVSVPDHVVWSLFLNLFMNF
 CCLGFIAAYSVKSRDRKMVGDTVGAQAYASTAKLNISTLVLSILMVVITIVSVIIIIVLNAQNLHT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

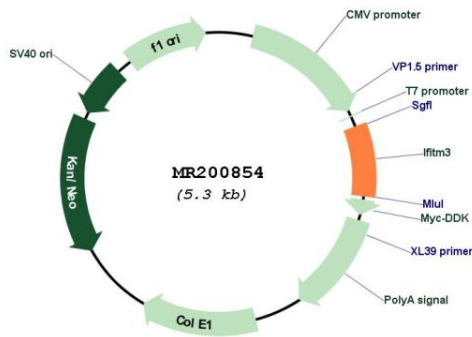


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UniProt ID: [Q9CQW9](#)
 Cytogenetics: 7 F5
 MW: 15 kDa

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 (DNV), West Nile virus (WNV) and human immunodeficiency virus type 1 (HIV-1). 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. Plays a critical role in the structural stability and function of vacuolar ATPase (v-ATPase). Establishes physical contact with the v-ATPase of endosomes which is critical for proper clathrin localization and is also required for the function of the v-ATPase to lower the pH in phagocytic endosomes thus establishing an antiviral state. Involved in initiating germ cell competence and specification, and in the demarcation of PGCs from their somatic neighbors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200854