

Product datasheet for **SC117830**

IFITM1 (NM_003641) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFITM1 (NM_003641) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFITM1
Synonyms:	9-27; CD225; DSPA2a; IFI17; LEU13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117830 sequence for NM_003641 edited (data generated by NextGen Sequencing)

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ATGCACAAGGAGGAACATGAGGTGGCTGTGCTGGGGGCACCCCCAGCACCATCCTTCCA
AGGTCCACCGTGATCAACATCCACAGCGAGACCTCCGTGCCCGACCATGTCGTCTGGTCC
CTGTTCAACACCCTCTTCTGAAGTGGTGTGCTGGGCTTCATAGCATTGCGCTACTCC
GTGAAGTCTAGGGACAGGAAGATGGTTGGCGACGTGACCGGGGCCAGGCCTATGCCTCC
ACCGCCAAGTGCCTGAACATCTGGGCCCTGATTCTGGGCATCCTCATGACCATTGGATTCC
ATCCTGTACTGGTATTCGGCTCTGTGACAGTCTACCATATTATGTTACAGATAATACAG
GAAAAACGGGGTTACTAG
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Clone variation with respect to NM_003641.3



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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_003641.2 , NP_003632.2
RefSeq Size:	853 bp
RefSeq ORF:	378 bp
Locus ID:	8519
UniProt ID:	P13164
Cytogenetics:	11p15.5
Domains:	CD225
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	B cell receptor signaling pathway
Gene Summary:	<p>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), Ebola virus (EBOV), Dengue virus (DENV), West Nile virus (WNV), human immunodeficiency virus type 1 (HIV-1) and hepatitis C virus (HCV). 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. Also implicated in cell adhesion and control of cell growth and migration. Plays a key role in the antiproliferative action of IFN-gamma either by inhibiting the ERK activation or by arresting cell growth in G1 phase in a p53-dependent manner. Acts as a positive regulator of osteoblast differentiation.</p> <p>[UniProtKB/Swiss-Prot Function]</p>