

Product datasheet for RC229563

IFITM10 (NM_001170820) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

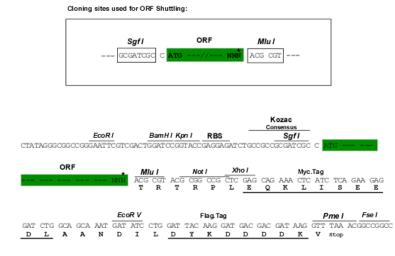
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	IFITM10 (NM_001170820) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IFITM10
Synonyms:	DSPA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC229563 representing NM_001170820 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGCCCACACTGTTCCCCATGGAGTCCAAGAGCAGCAGCAGACCGACAGCGTGCGGGCTGCCGGCGCGC CCCCTGCCTGCAAGCACCTAGCCGAGAAGAAGAAGACGATGACCAACCCCACGACCGTCATCGAGGTCTACCC GGACACCACCGAGGTGAACGACTATTACCTGTGGTCCATCTTCAACTTCGTCTACCTCAACTTCTGCTGC CTGGGCTTCATCGCCTTGGCCTACTCCCTCAAAGTGCGAGACAAGAAGCTTCTCAATGACCTGAATGGAG CCGTGGAGGATGCAAAGACGGCCCGGCTGTTCAACATCACCAGTTCTGCCCTGGCAGCCTCCTGCATCAT CCTCGTCTTCATCTTCCTGCGGTACCCCCTCACCGACTAC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RC229563 representing NM_001170820 <mark>Red</mark> =Cloning site Green=Tags(s)
	MAPTLFPMESKSSKTDSVRAAGAPPACKHLAEKKTMTNPTTVIEVYPDTTEVNDYYLWSIFNFVYLNFCC LGFIALAYSLKVRDKKLLNDLNGAVEDAKTARLFNITSSALAASCIILVFIFLRYPLTDY
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk8036_g07.zip
Restriction Sites:	Sgfl-Mlul



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Cloning Scheme:



* The last codon before the Stop codon of the ORF

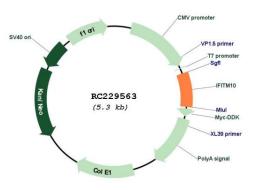
ACCN:	NM_001170820
ORF Size:	390 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 001170820.2, NP 001164291.1</u>
RefSeq ORF:	687 bp
Locus ID:	402778
UniProt ID:	A6NMD0
Cytogenetics:	11p15.5

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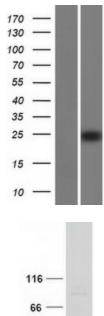
MW:

14.52 kDa

Product images:



Circular map for RC229563



45 -

35 -25 -18 -14 - Western blot validation of overexpression lysate (Cat# [LY432563]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229563 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified IFITM10 protein (Cat# [TP329563]). The protein was produced from HEK293T cells transfected with IFITM10 cDNA clone (Cat# RC229563) using MegaTran 2.0 (Cat# [TT210002]).

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