

Product datasheet for **RC212574**

IFIT1B (NM_001010987) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFIT1B (NM_001010987) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IFIT1B
Synonyms:	bA149I23.6; IFIT1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC212574 representing NM_001010987
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAGTGAAGAATCTGATGGAAAGCTTATTGAAGACAGCCTGATTCAGCTGAGATGTCACCTTTACATGGA
 AGTTGTTAATTGAAGCCCTGAAATTCCTGATTTAGAAAACAGGATCTGGGAAGAGATTCAGTTCCTGGA
 CACCAAATACAATGTGGGAATACACAACCTACTAGCCTATGTGAAACACCTGAAAGGCCAGAATGAGGAA
 GCCCTGGTCAGCTTGAAAAAGGCTGAAGACTTAATTGAGAAAGAACATGCCAACCAAGCAGATATTAGAA
 GTCTGGTGACCTGGGGCAACTTTGCCTGGGTGATTACCACATGGGCAGATTGGCAGAAGCCAGACTTA
 CCTGGACAAGGTGGAGAACACTTGCAAGAAGTTTGCAATCCTCCCGCTATAGAATGGAGTGCCAGAG
 GTGGACTGTGAGGAAGGATGGGCCTTGGCGAAGTGTGTGGAAAGATTATGAACGGGCCAAGACCTGCT
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 CCTGGATAAAATTAACACAGCATCAGGGAGGAATAAGGCATTTCTCTGCACGTCCTAAAACGAGCTGTC
 AGGCTAAATCCAGATGATGTATATATTAGGGTTCTCCTTGCCCTGAAGCTTCAGGATGAAGGACAGGAAG
 CTGAAGGAGAAAAAGTACATTGAAGAAGCTCTGACCAGTATATCTTCACAGGCCTATGTCTTTCAATATGC
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 ACACCCACTTCTGCCTTCTGCATCACCAATGGGGCTTTGCTACAGGGCACAATGATCCAATCAAGG
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 CAAATTTGAAAAGACTATAATGTTAAAGCGAACATTTGAGATGGCCTATGTTGACCTGGCTGAAACGAT
 GCAGAAATAGGCCACCACAGAAAGGCTGAGGAACATTTTCAGAAAGGTTACGCATGAAGATCTTTGAAG
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 AGCAATTACCCATTATTTAAAAGGTTTGAAAATAGAAAAATGTCCATTCCAGGGAAAAAATCTCAAT
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 GGCTTATCCACAAATTGAAAGGAGAAGTAAGTGATGCTTTGCTGTGCTATGAGAGGGCTCTGAGGCTGGC
 TGCTGACCTGAACCTATATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212574 representing NM_001010987
 Red=Cloning site Green=Tags(s)

MSEESDGKLIEDSLIQLRCHFTWKLLIEAPEIPDLENRIWEEIQFLDTKYNVGIHNLAYVKHLKGQNEE
 ALVSLKKAEDLIQKEHANQADIRSLVTWGNFAWVYYHMGRLAEAQTYLDKVENTCKKFANPSRYRMECPE
 VDCEEGWALAKCGGKNYERAKTCFEKALEGNPENPEFNTGYAITVYRLDKFNTASGRNKAFLHVLKRAV
 RLNPDDYVYIRVLLALKLQDEGQEAEGEKYIEEALTSISSQAYVFQYAAKFYRRKGSVDKALELLKMALET
 TPTSFAFLHHQMGLCYRAQMIQIKEATNWQPRGQDRETVDRLVQLAICKFEKTIMLKRTFEMAYVDLAETY
 AEIGHHRKAEEHFQKGLRMKIFEDQLKQEIHYHYGRFQEHGKSQDKAITHYLKGLKIEKMSHSREKLLN
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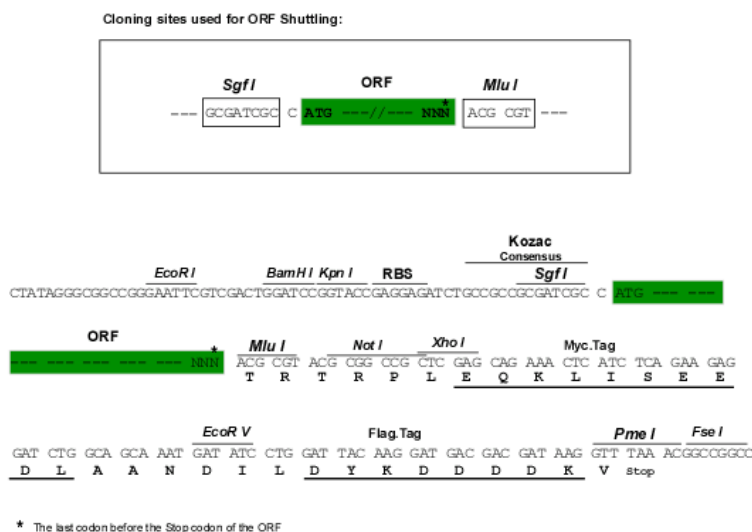
TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8023_g01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001010987

ORF Size: 1422 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. [More info](#)

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001010987.2](#), [NP_001010987.1](#)

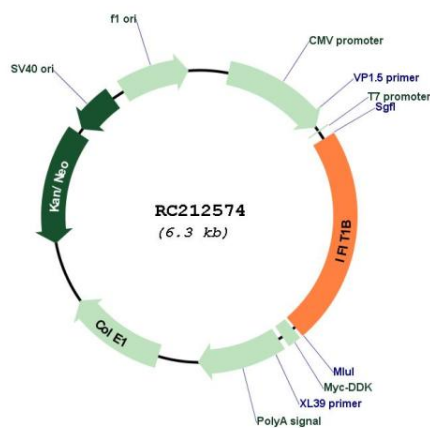
RefSeq Size: 2005 bp

RefSeq ORF: 1425 bp

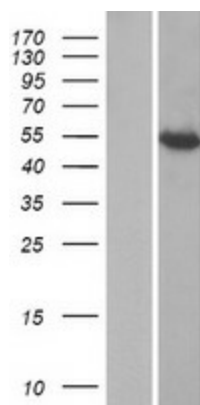
Locus ID: 439996

UniProt ID: Q5T764
 Cytogenetics: 10q23.31
 MW: 54.8 kDa

Product images:



Circular map for RC212574



Western blot validation of overexpression lysate (Cat# [LY423259]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212574 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).