

Product datasheet for **RG212574**

IFIT1B (NM_001010987) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFIT1B (NM_001010987) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IFIT1B
Synonyms:	bA149I23.6; IFIT1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212574 representing NM_001010987
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGAGTGAAGAATCTGATGGAAAGCTTATTGAAGACAGCCTGATTCAGCTGAGATGTCACCTTTACATGGA
 AGTTGTTAATTGAAGCCCTGAAATTCCTGATTTAGAAAACAGGATCTGGGAAGAGATTCAGTTCCTGGA
 CACCAAATACAATGTGGGAATACACAACCTACTAGCCTATGTGAAACACCTGAAAGGCCAGAATGAGGAA
 GCCCTGGTCAGCTTGAAAAGGCTGAAGACTTAATTGAGAAAGAACATGCCAACCAAGCAGATATTAGAA
 GTCTGGTGACCTGGGGCAACTTTGCCTGGGTGATTACCACATGGGCAGATTGGCAGAAGCCAGACTTA
 CCTGGACAAGGTGGAGAACACTTGCAAGAAGTTTGCAATCCTTCCGCTATAGAATGGAGTGCCAGAG
 GTGGACTGTGAGGAAGGATGGGCCTTGGCGAAGTGTGGAGGAAAGATTATGAACGGGCCAAGACCTGCT
 TTGAAAAGGCTCTGGAAGGGAACCCTGAAAACCCTGAATTCATCTGGGTACGCAATCACCGTCTATCG
 CCTGGATAAAATTAACACAGCATCAGGGAGGAATAAGGCATTTTCTCTGCACGTCCTAAAACGAGCTGTC
 AGGCTAAATCCAGATGATGTATATATTAGGGTTCTCCTTGCCCTGAAGCTTCAGGATGAAGGACAGGAAG
 CTGAAGGAGAAAAAGTACATTGAAGAAGCTCTGACCAGTATATCTTCACAGGCCTATGTCTTTCAATATGC
 AGCCAAGTTTTATCGAAGAAAAGGGTCTGTGGATAAAGCTCTTGAGCTCTTAAAAATGGCCTTGGAGACA
 ACACCCACTTCTGCCTTCTGCATCACCAATGGGGCTTTGCTACAGGGCACAATGATCCAATCAAGG
 AAGCTACAAACTGGCAGCCTAGAGGGCAAGATAGGGAACTGTGGACAGATTGTTCAATTGGCTATATG
 CAAATTTGAAAAGACTATAATGTTAAAGCGAACATTTGAGATGGCCTATGTTGACCTGGCTGAAACGAT
 GCAGAAATAGGCCACCACAGAAAGGCTGAGGAACATTTTCAGAAAGGTTACGCATGAAGATCTTTGAAG
 ATCAGCTAAAGCAAGAGATTCTTACCCTACGGCCGTTTCCAAGAACATCATGGGAAATCTCAAGATAA
 AGCAATTACCCATTATTTAAAAGGTTTGAAAATAGAAAAAATGTCCATTCCAGGAAAAAATCTCTCAAT
 GCTTTAGAGAAATTGGCTAAAAGATGTATTACCAGAATGTACGGGTTGTGGAAAGTGTCAGCCTCCTTG
 GGCTTATCCACAAATTGAAAGGAGAAGTAAGTGATGCTTTGCTGTGCTATGAGAGGGCTCTGAGGCTGGC
 TGCTGACCTGAACCTATATTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG212574 representing NM_001010987
 Red=Cloning site Green=Tags(s)

MSEESDGKLIEDSLIQLRCHFTWKLLIEAPEIPDLENRIWEEIQFLDTKYNVGIHNLAYVKHLKGQNEE
 ALVSLKKAEDLIQKEHANQADIRSLVTWGNFAWVYYHMGRLAEAQTYLDKVENTCKKFANPSRYRMCEPE
 VDCEEGWALAKCGGKNYERAKTCFEKALEGNPENPEFNTGYAITVYRLDKFNTASGRNKAFSLHVLKRAV
 RLNPDDVYIRVLLALKLQDEGQAEGEKYIEEALTSISSQAYVFQYAAKFYRRKGSVDKALELLKMALET
 TPTSAFLHHQMGLCYRAQMIQIKEATNWQPRGQDRETVDRLVQLAICKFEKTI MLKRTFEMAYVDLAETY
 AEIGHHRKAEHFQKGLRMKIFEDQLKQEIHYHYGRFQEHGKSQDKAITHYLGKLGKIEKMSHSREKLLN
 ALEKLAKRCIHQNVRVESVSLGLIHLKLGKGEVSDALLCYERALRLAADLNPIF

TRTRPLE – GFP Tag – V

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.

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

RefSeq Size: 2005 bp

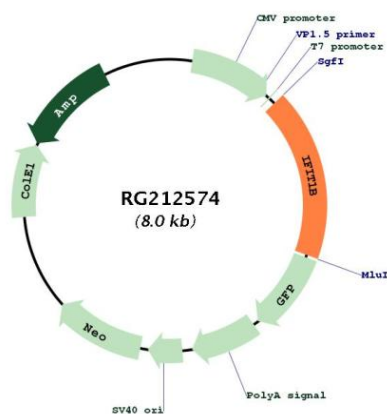
RefSeq ORF: 1425 bp

Locus ID: 439996

UniProt ID: [Q5T764](#)

Cytogenetics: 10q23.31

Product images:



Circular map for RG212574